METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS

1ST JANUARY TO 30TH JUNE, 1899.

DAILY WEATHER REPORT.

January to June 1899.

DAILY WEATHER REPORT

for 8 a.m. on Monday, 1st May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30.06	24	N	0	b	30.06	+.05	26	22	+ 2	N	2	b	*	b	*	36	18	-
	Hernösand ...	29.97	30	N	4	b	29.96	+.03	30	25	− 1	N	6	b	*	b	*	36	23	-
	Stockholm ...	29.69	31	NNE	6	o	29.74	+.08	30	29	− 3	NNE	6	S	*	o	*	43	30	0.39
	Wisby	29.65	35	N	6	o	29.74	+.14	32	32	− 17	N	8	S	*	o	*	52	32	0.16
	Karlstad ...	29.89	29	NNE	6	S	29.98	+.25	31	26	+ 1	NE	4	b	*	S	*	*	*	0.04
	Bodö	30.10	29	E	2	b	30.10	+.11	28	25	+ 1	E	4	b	1	b	*	32	21	-
	Christiansund ...	30.01	41	ENE	3	b	30.05	+.09	35	32	− 1	ESE	2	b	3	b	*	41	30	-
	Skudesnaes ...	29.98	39	NNW	6	b	30.08	+.35	40	37	− 3	NNE	2	b	1	b	*	45	37	*
	Færder (Christiania Fjord)	29.92	35	NNE	6	o	30.04	+.32	35	30	+ 3	NNW	2	b	1	o	*	36	30	0.12
	Skagen (The Scaw)	29.71	36	N	4	o	30.06	+.46	37	32	+ 1	NNE	4	bc	1	b	*	37	34	-
	Fanö	30.00	38	NNW	4	c	30.13	+.54	40	37	− 8	N	4	c	*	c	*	43	37	0.04
BRITISH ISLANDS.	Sumburgh Head	30.05	44	NW	3	c	30.01	+.02	44	41	+ 7	W	2	c	4	c	*	44	33	0.17
	Stornoway ...	30.13	45	S	1	o	29.90	−.21	41	40	− 1	SE	3	o	3	o	1.9	48	38	0.03
	Wick	30.12	38	N	2	bc	29.95	−.10	43	42	+ 2	S	3	o	3	bc	*	47	30	-
	Nairn	30.16	44	W	1	c	29.97	−.12	40	39	− 2	Z	o	r	1	c	*	45	33	0.04
	Aberdeen ...	30.17	43	NW	2	c	30.02	−.04	41	39	o	SW	2	o gr	2	c	4.2	46	37	0.01
	Leith	30.15	52	NW	1	bc	30.00	−.12	37	37	− 14	SW	1	r	*	bc	*	53	35	0.15
	Shields	30.18	44	E	2	c	30.05	−.03	40	40	− 2	SW	3	r	3	c	*	46	37	0.04
	Spurn Head ...	30.22	44	NNE	4	c	30.13	+.11	46	42	+ 3	S	5	o q	4	c	*	48	43	-
	York	30.20	48	ENE	1	c									*					
	Loughborough ...	30.21	49	NE	1	c	30.15	+.08	46	43	+ 1	SSE	3	o	*	bc.c.b.o	*	53	39	-
	Ardrossan ...																*			
	Malin Head ...	30.14	44	ESE	4	bc	29.82	−.30	50	49	+ 8	SW	3	o	3	b.bc	*	50	42	0.33
	Belmullet ...	30.12	50	S	2	om	29.90	−.21	51	49	+ 4	W	5	o	*	om	*	53	43	0.07
	Donaghadee ...	30.10	47	S	3	b	29.90	−.24	48	48	+ 4	S	3	r	3	b	*	48	42	0.14
	Liverpool (Bidston)	30.21	46	NNW	1	b	30.07	−.05	47	43	+ 2	SSE	2	o	2	b	*	48	39	-
	Holyhead ...	30.20	45	NE	1	bc	30.04	−.10	48	46	+ 3	SSW	4	o pm	3	bc	*	48	40	0.01
	Parsonstown ...	30.14	49	SSE	1	o	29.98	−.20	53	52	+ 7	SW	1	o	*	o	0.6	54	45	-
	Valencia ...	30.10	55	S	3	o	30.03	−.07	54	53	+ 1	SW	4	o m	4	c.o	2.8	59	52	0.03
	Roche's Point ..	30.17	52	SE	3	o	30.06	−.06	52	52	+ 1	WSW	3	f	3	o.m	*	53	50	0.01
	Pembroke (St. Ann's Hd.)	30.20	49	NE	1	o	30.11	+.01	50	49	+ 1	SW	4	o g	4	c.o	4.4	52	46	-
	Scilly	30.21	55	WSW	1	bc	30.12	+.01	52	51	− 1	?	4	o	2	bc	9.3	57	49	-
	Prawle Point ...	30.20	50	SE	2	c	30.18	+.10	50	48	− 2	SSE	3	bc	2	c	*	52	47	-
	Jersey (St. Aubin's)	30.22	54	ESE	2	cm	30.24	+.14	53	49	− 1	ESE	3	bmw	3	cm	*	58	45	-
	Hurst Castle ...	30.21	51	E	2	c	30.21	+.16	49	45	0	S	4	o m	2	c	*	57	47	-
	Dungeness ...	30.20	50	NE	3	c	30.26	+.26	48	45	+ 3	SSW	3	c	2	c	*	51	42	-
GERMANY & HOLLAND.	North Foreland																*			
	London (Brixton) ...	30.21	48	NNE	2	bc	30.23	+.17	49	44	+ 5	SSE	3	o	*	c.b	6.5	53	39	-
	Oxford	30.24	46	ESE	2	bc	30.19	+.10	47	44	+ 2	S	3	o g	*	bc	*	54	42	-
	Cambridge ...	30.24	47	NNE	1	o	30.22	+.17	46	42	+ 1	SSW	3	o	*	c.o	4.8	51	34	-
	Yarmouth ...	30.17	46	NNW	4	bc	30.20	+.25	45	41	+ 2	WSW	3	c	3	bc	*	47	35	-
	Cuxhaven ...	29.89	43	NW	6	o	30.13	+.58	41	39	− 10	NNW	5	o	*	o	*	51	39	0.08
	Berlin	29.72	51	NE	3	r	30.10	+.45	41	37	− 12	NW	4	bc	*	r	*	61	37	0.55
	Wiesbaden ...	*	*	*	*	*	30.28	+.50	42	37	− 10	NW	2	bc	*	*	*	57	41	0.12
	Munich	30.02	46	W	7	r	30.27	+.37	40	37	− 6	W	4	c	*	r	*	55	37	0.24
	The Helder ...	30.12	44	NNW	4	c	30.22	+.46	44	41	+ 1	W	2	bc	2	c	*	46	41	-
BELGIUM.	Brussels ...	*	*	*	*	*	30.32	+.43	43	38	− 1	SW	1	o	*	o	*	47	39	-
	Cape Gris Nez ...	30.18	46	NE	2	c	30.24		43	39		S	1	bc	1	c	*	52	37	-
	Paris	30.21	50	N	3	b	30.30	+.31	43	36	− 9	NE	2	b	*	b	*	59	34	-
	Brest	30.21	54	NW	1	bc	30.18	+.06	51	58	− 1	E	1	c	2	bc	*	57	45	-
	Lorient ...	30.24	57	W	4	b	30.18	+.05	52	51	0	S	2	o	3	b	*	61	46	-
FRANCE &	Rochefort ...	30.25	60	NW	4	bc	30.24	+.12	51	50	− 4	E	2	b	*	bc	*	61	48	-
	Belfort	30.03	49	W	5	c	30.26	+.31	38	36	− 11	E	3	m	*	c	*	57	35	0.04
	Lyons	30.14	57	NW	2	o	30.25	+.17	45	42	− 10	N	1	b	*	o	*	64	41	0.43
	Nice	29.84	60	SW	2	b	29.94	+.05	62	55	+ 10	Z	o	b	o	b	*	64	52	-
	Perpignan ...	30.07	68	NW	4	b	30.14	−.01	61	53	+ 1	NW	2	b	*	b	*	74	55	-
	Biarritz ...	30.17	60	NNW	3	b	30.10	−.13	51	50	− 8	E	3	b	2	b	*	63	48	-
PENINSULA.	Corunna ...																*			
	Lisbon	29.94	75	NE	2	b	29.90	−.19	70	59	+ 5	ESE	4	b	*	b	*	84	64	-
	Azores (P. Delgada)	29.76	63	SSE	5	o	29.62	−.41	60	55	− 2	SW	5	bc	6	o	*	68	55	0.39

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

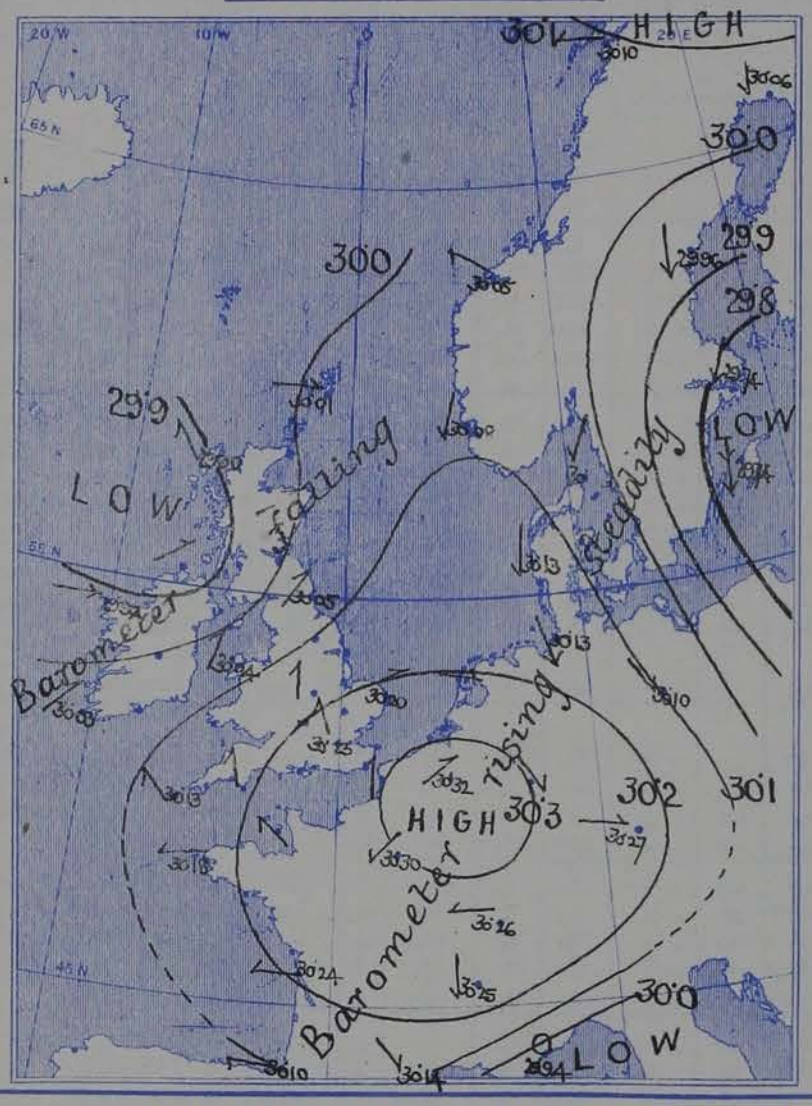
Bright Sunshine yesterday Southport 13.5 hrs;

WEATHER CHARTS

FOR Monday, 1st May, 1899.

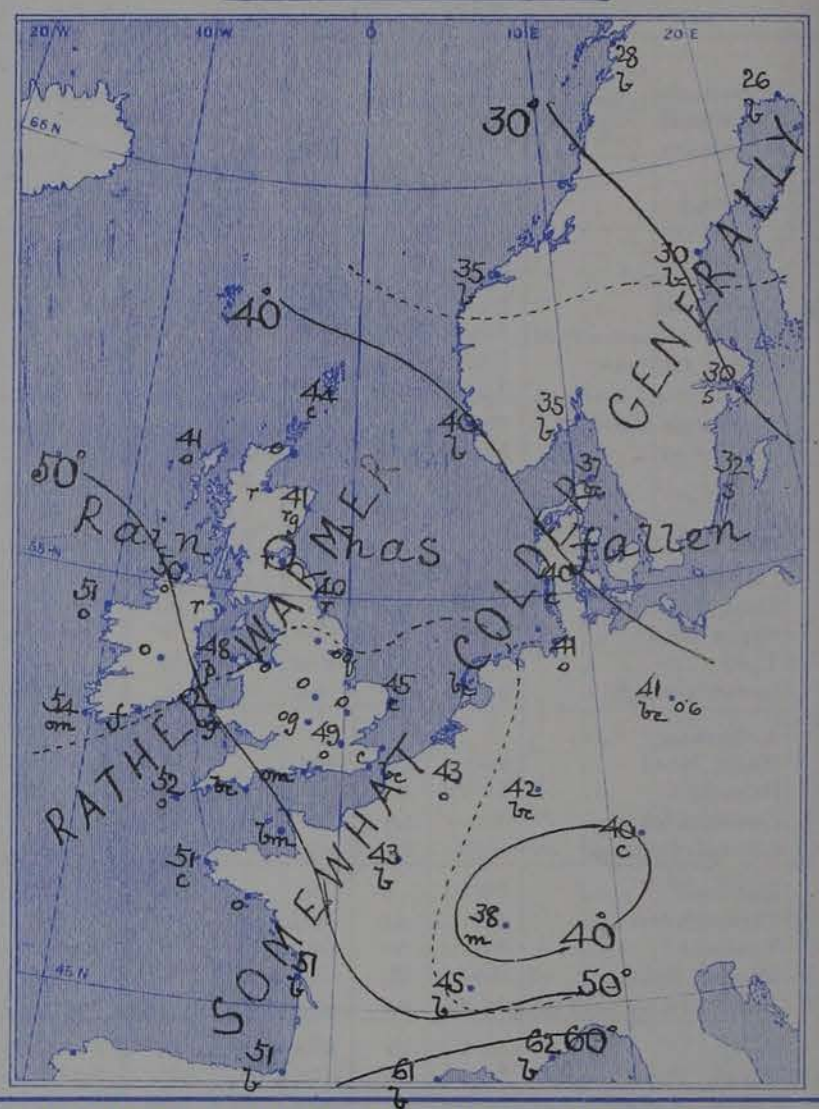
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins. and more to 30·1 ins. in an anticyclone covering France, the Netherlands, and the southern parts of England.
Lowest, (1) Below 29·8 ins. over the Baltic, and (2) below 29·9 ins. in a new disturbance approaching our northwest coasts from the Atlantic.
Gradients slight in the south, moderate elsewhere.
Barometer falling in the northwest and north, and the fall is spreading towards England.

TEMPERATURE

Highest, 54° at Valencia, 52° at Rochebonne and Scilly, 52° to 51° on the west coast of France, 62° at Nice.
Lowest, 26° at Haparanda, 30° at Stockholm; 38° at Belfast, 41° at Berlin, 43° at Brussels and Paris. A very low reading (35°) is reported at Leith.
It did not touch 60° at any of our stations yesterday, but at Valencia the maximum was 59°; at Paris 59°, and Nice 64°.

WIND

Light and anticyclonic over France and the south of England, being SE 3 to S 3 in the English Channel. On the Irish coasts it is W 5 to SW 3, in Scotland SW 3 to S 3, but at Stornoway SE 3.

WEATHER

Fine over France, cloudy over the south and east of England, rainy in Scotland and the north of Ireland.
Showers have fallen on our north and west coasts generally, as well as in Germany, Denmark and Sweden.
The amount of Bright Sunshine yesterday was large both on our south and northwest coasts.

SEA

Moderate at several northern and western stations, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new disturbance is coming over our northern Districts apparently from the northward. Changeable weather is probable, and, finally, a fall of temperature.

FORECASTS

For the 24 hours ending at NOON on 2nd MAY, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	SW 4 and W 4 winds, shifting later to the N 2; with rainy, unsettled weather.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW 4 to W 4 and finally NW 4 winds; mild at first and some rain, then colder and showery.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	Same as No. 5.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.88	45	40	NNW	6	6	1
Sumburgh Head							
Stornoway	30.14	48	41	WNW	1	0	1
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30.16	47	42	E	4	6	2
Belmullet	30.11	?45	?43	S	1	0	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30.19	56	53	NW	4	c	3
Hurst Castle ...							
Dungeness ...	30.15	50	45	N	3	c	3
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.18	60	55	NW	4	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 23RD TO THE 29TH APRIL 1899.

During this week a series of depressions of moderate intensity, and sometimes very complex in form have been passing not only across our Islands, but over nearly the whole of Europe – and mostly in a southeasterly direction. In front of these disturbances the S winds have been comparatively mild, while the NW to NE winds in their rear have been cold, and accompanied occasionally but chiefly and the northern stations. Thunderstorms occurred several times with the change of current.

On some occasions the thermometer over northern Europe went down to below 20°, while on others it rose to upwards of 70° over Southern Europe and on the 28th it reached a maximum of 82° at Lisbon. In our Islands the changes, though decided, were not very extensive.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 2nd May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.99	29	NE	2	b	29.87	−.19	31	28	+ 5	NNE	6	c	#	b	#	37	14	—
	Hernösand ...	29.92	33	N	2	b	29.82	−.14	32	27	+ 2	N	6	bc	#	b	#	41	23	—
	Stockholm ...	29.84	30	N	6	b	29.78	+.04	32	28	+ 2	N	6	o	#	b	#	32	28	—
	Wisby	29.86	32	NNW	8	s	29.85	+.11	34	30	+ 2	NNW	6	b	#	s	#	34	27	0.12
	Karlstad ..	29.95	34	N	2	b	29.94	−.04	33	30	+ 2	NNE	2	b	#	b	#	#	#	—
	Bodö	30.10	30	E	2	b	30.10	.00	27	24	− 1	E	4	b	1	b	#	32	19	—
	Christiansund ...	30.03	37	E	1	b	30.06	+.01	36	30	+ 1	E	2	b	3	b	#	41	32	—
	Skudesnaes ...	30.01	41	NNW	2	b	29.97	−.11	41	37	+ 1	NE	2	b	1	b	#	44	34	#
	Færder (Christiania Fjord)	29.97	40	SW	2	b	29.95	−.09	36	30	+ 1	NE	5	b	2	b	#	41	35	—
	Skagen (The Scaw)	30.00	40	Z	0	c	29.89	−.17	41	40	+ 4	NW	2	c	0	c	#	45	36	—
	Fanö	30.02	42	Z	0	bc	29.93	−.20	42	41	+ 2	ESE	1	o	#	bc	#	48	39	0.04
	Sumburgh Head	29.95	43	ESE	1	o	29.99	−.02	41	38	− 3	N	1	o	3	o	#	47	34	—
	Stornoway ...	29.87	46	ENE	5	c	30.01	+.11	46	44	+ 5	ENE	4	c	4	o.c	2.2	48	38	—
	Wick	29.89	45	S	4	o	30.01	+.06	42	41	− 1	S	1	o	1	o.p	#	50	40	0.05
	Nairn	29.86	44	NE	1	o	30.00	+.03	43	42	+ 3	E	1	o	1	.o	#	47	38	0.11
	Aberdeen ...	29.83	42	NE	2	o	29.99	−.03	42	40	+ 1	ENE	3	ofg	4	og	0.0	43	39	0.03
BRITISH ISLANDS.	Leith	29.82	45	NNE	2	o	29.96	−.04	44	43	+ 7	N	2	r	#	o	#	47	35	0.10
	Shields	29.78	48	NW	2	r	29.90	−.15	44	43	+ 4	N	3	o	3	r.tlr	#	51	39	0.71
	Spurn Head ...	29.83	50	SSW	5	r	29.84	−.29	46	45	0	NW	4	of	2	of	#	50	44	0.21
	York														#					
	Loughborough ...	29.95	54	SW	3	c	29.89	−.26	53	50	+ 7	WNW	1	c	#	o.c.bc.p	#	55	46	0.01
	Ardrossan ...																#			
	Malin Head ...	29.80	50	W	3	bcpm	29.93	+.11	46	45	− 4	NNE	2	ofm	2	c.bcpm	#	51	45	0.02
	Belmullet ...	29.89	51	WNW	5	o	29.98	+.08	49	47	− 2	NE	4	o	#	o	#	53	45	0.03
	Donaghadee ...	29.84	55	WNW	3	c	29.94	+.04	47	47	− 1	N	2	om	2	b,c	#	59	46	0.02
	Liverpool (Bidston)	29.87	54	SW	4	c	29.91	−.16	49	47	+ 2	W	1	o	2	r.c.o	#	56	46	0.11
	Holyhead ...	29.89	50	SW	4	f	29.91	−.13	49	48	+ 1	WNW	2	cf	1	df.f	#	50	42	0.05
	Parsonstown ...	29.93	54	W	1	o	29.95	−.03	49	47	− 4	NW	1	o	#	c.o	3.6	60	47	—
	Valencia ...	30.00	54	WSW	3	om	29.96	−.07	52	50	− 2	NNW	2	c	4	om	0.0	55	49	0.02
	Roche's Point ..	29.99	55	WSW	3	c	29.97	−.09	51	50	− 1	NNW	2	o	2	c	#	56	50	—
	Pembroke (St. Ann's Hd.)	29.99	50	WSW	4	o	29.95	−.16	50	48	0	NW	3	b	4	o	0.0	50	48	0.02
	Scilly	30.04	54	SW	1	c	29.96	−.16	49	48	− 3	NNE	1	f	1	om.c	2.3	57	47	—
	Prawle Point ...	30.04	50	WSW	2	c	29.94	−.24	52	52	+ 4	WNW	2	c	1	c	#	57	47	—
	Jersey (St. Aubin's)	30.06	59	E	3	cgm	29.98	−.26	53	51	0	NW	2	o	2	cgm	#	59	43	—
	Hurst Castle ...	30.05	50	SSW	2	om	29.92	−.29	53	52	+ 4	WNW	3	o	2	cm	#	53	48	0.01
	Dungeness ...	30.06	48	SSW	2	o	29.88	−.38	54	52	+ 6	NW	3	c	2	o	#	54	47	—
	North Foreland																#			
	London (Brixton) ...	30.03	51	WSW	2	c	29.89	−.34	54	50	+ 5	NW	4	c	#	o.c.b	0.0	55	46	—
	Oxford	29.98	50	S	2	o	29.90	−.29	54	49	+ 7	NW	2	c	#	o.b	#	55	47	—
	Cambridge ...	29.99	51	SW	3	p	29.88	−.34	55	52	+ 9	NW	2	og	#	op	0.0	55	44	0.01
	Yarmouth ...	29.99	48	SSW	4	c	29.83	−.37	50	48	+ 5	NNW	4	bc	4	c	#	50	44	—
GERMANY & HOLLAND.	Cuxhaven ...	30.11	45	NW	1	o	29.90	−.23	41	40	0	S	2	o	#	od	#	48	39	0.08
	Berlin	30.11	44	NW	3	b	29.99	−.11	43	41	+ 2	SW	3	c	#	b	#	50	37	—
	Wiesbaden ...	*	*	*	*	*	29.92	−.36	47	43	+ 5	SE	2	o	#	*	#	52	41	—
	Munich... ..	30.16	41	SE	3	b	29.95	−.32	45	43	+ 5	S	3	o	#	b	#	48	36	—
	The Helder ...	30.06	43	SW	2	r	29.78	−.44	49	48	+ 5	N	2	o	1	r	#	50	41	0.12
BELGIUM.	Brussels ...	*	*	*	*	*	29.89	−.43	48	45	+ 5	SW	3	r	#	o	#	52	42	—
	Cape Gris Nez...	30.04	50	S	1	o	29.86	−.38	50	49	+ 7	WSW	1	o	1	o	#	54	43	—
	Paris	30.10	55	SSW	1	b	29.96	−.34	50	45	+ 7	S	2	o	#	b	#	58	43	—
	Brest	30.06	57	S	1	b	29.92	−.26	46	46	− 5	NE	2	bc	2	b	#	57	41	—
	Lorient... ...	30.06	59	Z	0	bc	29.96	−.22	49	46	− 3	E	3	b	4	bc	#	66	46	—
FRANCE &	Rochefort ...	30.00	68	NE	2	b	29.92	−.32	53	50	+ 2	E	3	b	#	b	#	82	46	—
	Belfort	30.08	50	NE	1	o	30.01	−.25	45	42	+ 7	W	2	m	#	o	#	54	38	—
	Lyons	30.09	57	NE	1	bc	29.99	−.26	49	46	+ 4	SE	1	b	#	bc	#	63	41	—
	Nice	29.99	61	SW	2	b	29.97	+.03	63	50	+ 1	Z	0	b	0	b	#	70	54	—
	Perpignan ...	30.00	71	S	1	b	29.98	−.16	61	54	0	E	1	b	#	b	#	79	47	—
	Biarritz ...	29.94	74	ENE	2	b	29.85	−.25	60	55	+ 9	SE	3	b	2	b	#	75	51	—
PENIN-SULA.	Corunna ...																#			
	Lisbon	29.89	61	W	3	b	29.88	−.02	59	57	− 11	ENE	4	o	#	b	#	77	57	—
	Azores (P. Delgada)	29.69	61	SW	4	bc	29.60	−.02	61	58	+ 1	SSW	5	o	6	bc	#	66	59	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

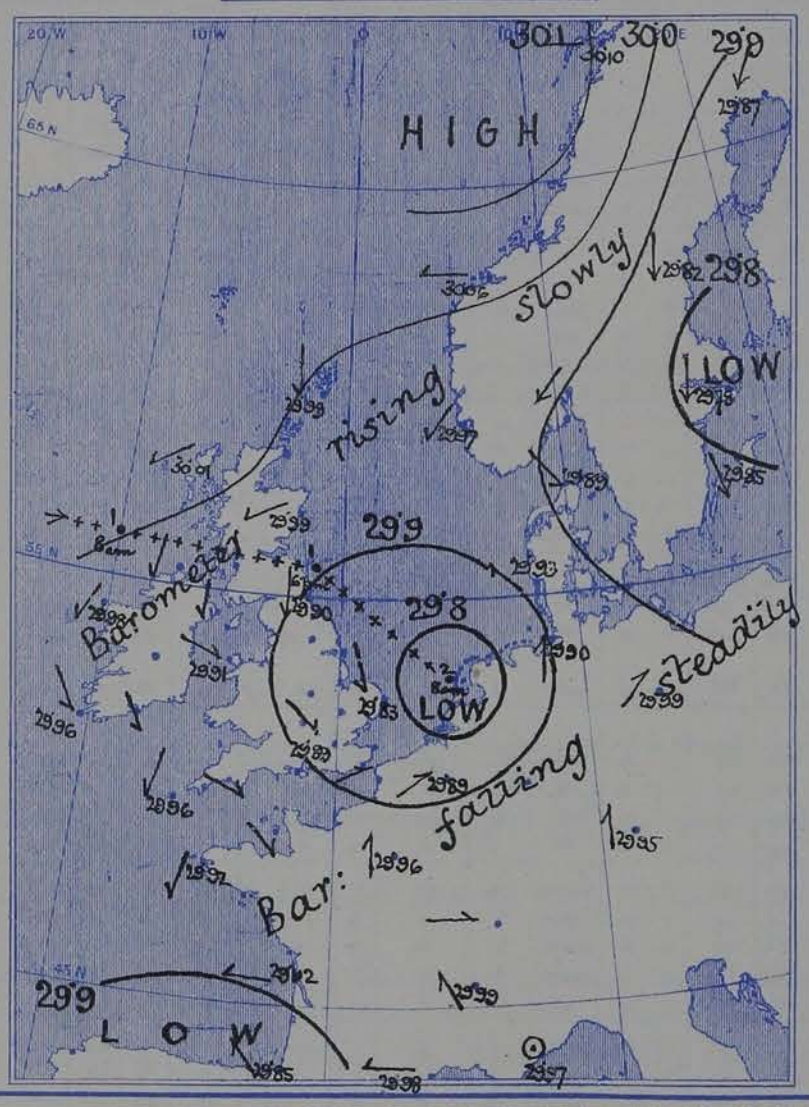
Bright Sunshine yesterday Southport 1·0 hrs;

WEATHER CHARTS

FOR Tuesday, 2nd May, 1899.

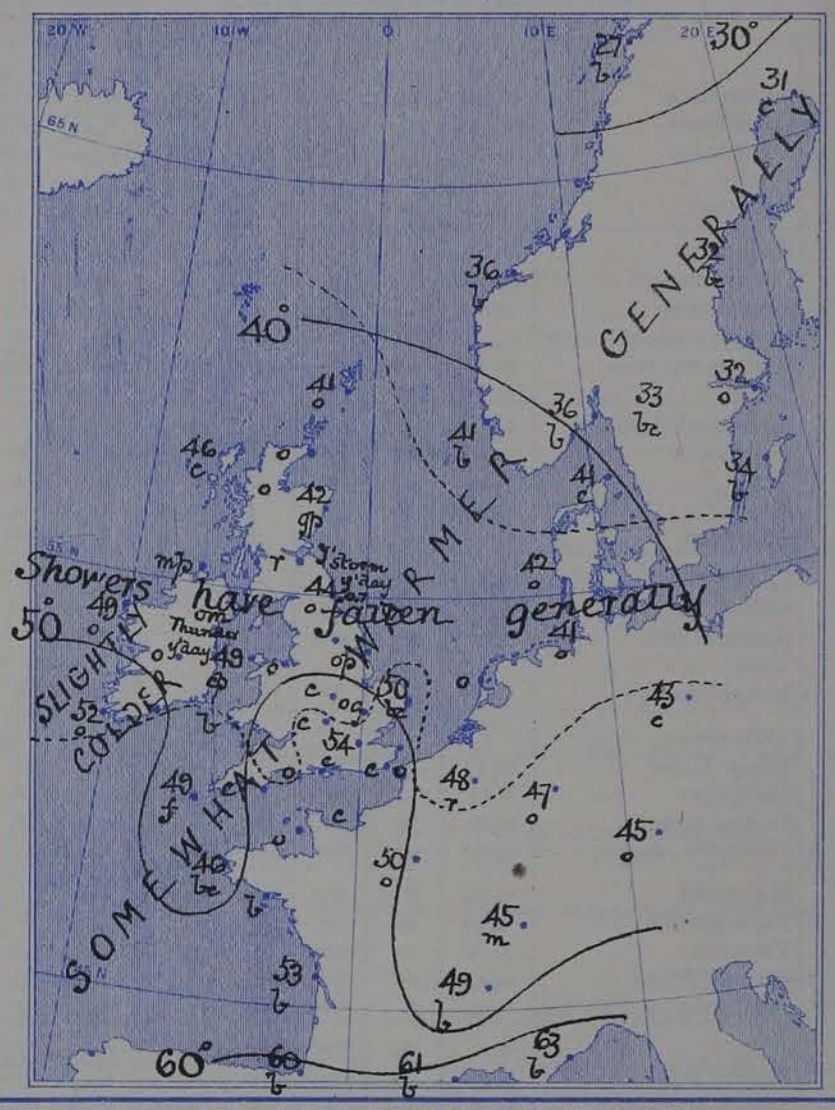
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MAY.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.10 ins. at Bodö; 30.0 ins. and upwards over the N^rn. parts of Norway generally and also in the N. of Scotland.
Lowest 29.8 ins. and less in two depressions,—one lying over Holland, and the other over the N^rn. parts of the Baltic.
Gradients slight. Barometer rising in all the more N^rn. parts of our Islands, and also in the W. of Norway, falling elsewhere.

TEMPERATURE — Highest (1) 63° at Nice, 61° at Perpignan, 60° at Biarritz, 59° at Lisbon; (2) 55° at Cambridge.
Lowest 27° at Bodö, 31° at Haparanda, and 32° at Hernösand and Stockholm; lowest in our Islands 41° at Sumburgh Hd.
The maxima registered yesterday were below 50° at several of our N^rn. stations, but above 55° on our W. and SW. coasts; at Parsonstown the thermometer rose to 60°.

WIND — Light to moderate from the NE^rly. on our extreme north and northwest coasts, but from the NW^rly. over the greater part of Ireland and England; S^ly. over Germany & central France.
Strong from the N^rly. in Sweden; E^ly. or NE^ly. on the Norwegian coasts.
Light from the E^rly. in the west and south of France.

WEATHER — Cloudy or dull over the greater part of our Islands, with showers at several of our more N^rn. stations, and fog at Scilly.
Cloudy also over Denmark, Germany, the Netherlands and the N. of France, with rain at Brussels; fine in Scandinavia and also over the greater part of France.
Showers fell yesterday in many parts of the United Kingdom, a thunderstorm with heavy rain occurred at Shields, and thunder at Donaghadee. Solar haloes were seen at Oxford and Hurst Castle.

SEA — Moderate on several parts of our E. and SW. coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed off our extreme NW. coasts yesterday has travelled in an ENE^ly. direction and is now passing away over the Netherlands. N^ly. winds and cool weather seem likely to prevail over our Islands for a time.

FORECASTS

For the 24 hours ending at NOON on 3RD. MAY 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NE^ly. winds, light; cloudy, some cold showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	Same as No. 5.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	NW^ly. to N^ly. winds, light, changeable, some showers, possibly thunder.
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.	Same as No. 5.
8 ENGLAND S.W.	
9 IRELAND NORTH	N^ly. to NE^ly. winds, light, changeable, some showers.
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·06	44	40	SW	4	b	2
Sumburgh Head	29·97	45	40	ESE	2	c	4
Stornoway	29·84	48	45	ESE	4	o	4
Aberdeen	29·88	41	39	S	2	og	2
Shields	29·90	45	45	SW	2	r	3
Ardrossan							
Malin Head ...	29·81	50	49	W	4	c	3
Belmullet	29·89	52	50	W	5	o	*
Holyhead	29·94	50	49	SW	5	fd	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·01	55	54	WSW	4	m	4
Scilly	30·09	56	54	S	4	om	2
Jersey	30·16	57	53	ESE	3	bc	3
Hurst Castle ...	30·14	52	48	S	3	cm	3
Dungeness ...	30·16	50	46	S	3	o	2
North Foreland							
London (Westminster)	30·11	54	48	SW	3	o	*
Yarmouth ...	30·11	47	44	SSE	5	c	4
Rochefort ...	30·09	77	64	SE	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS : For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 3rd May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.85	30	N	6	S	29.88	+.01	32	29	+1	N	4	bc	*	o	*	34	23	–
	Hernösand ...	29.84	36	S	0	o	29.93	+.11	32	28	0	N	6	o	*	o	*	39	27	–
	Stockholm ...	29.81	34	N	4	o	29.90	+.12	36	31	+4	NNW	5	b	*	o	*	36	25	–
	Wisby	29.89	35	SSW	4	b	29.92	+.07	36	33	+2	WNW	4	b	*	b	*	39	28	–
	Karlstad ...	29.91	37	N	2	b	29.99	+.05	35	28	+2	N	2	b	*	b	*	*	*	–
	Bodö	30.12	32	S	0	b	30.09	–.01	28	24	+1	E	4	o	1	b	*	34	23	–
	Christiansund ...	30.10	38	ENE	2	b	30.18	+.12	39	36	+3	W	2	o	3	b	*	41	34	0.04
	Skudesnaes ...	30.00	43	NNW	2	b	30.06	+.09	40	33	–1	NNE	2	b	1	b	*	46	34	*
	Færder (Christiania Fjord)	29.97	43	W	2	b	30.03	+.08	37	31	+1	N	6	b	3	b	*	41	34	–
	Skagen (The Scaw)	29.95	40	N	2	c	30.01	+.12	37	32	–4	NE	3	bc	0	c	*	46	37	–
	Fanö	29.96	38	NE	2	b	30.00	+.07	38	34	–4	NE	2	b	*	b	*	48	32	–
	Sumburgh Head	30.02	41	N	2	c	30.18	+.19	43	38	+2	NE	3	b	4	o,c	*	46	36	–
	Stornoway ...	30.09	48	NE	5	b	30.21	+.20	47	43	+1	ENE	4	bc	4	b	11.5	50	34	–
	Wick	30.06	45	S	2	bc	30.19	+.18	45	42	+3	E	2	bc	2	bc	*	50	41	0.02
	Nairn	30.06	46	E	1	bc	30.24	+.24	44	42	+1	ENE	2	c	1	bc	*	48	34	–
	Aberdeen ...	30.06	43	E	2	c	30.18	+.19	45	42	+3	NE	3	bc	3	o g.c.r	0.3	45	34	0.06
BRITISH ISLANDS.	Leith	30.02	45	E	3	o	30.18	+.22	47	42	+3	NE	2	b	*	o	*	48	39	0.03
	Shields	29.98	42	NE	3	a	30.12	+.22	43	41	–1	N	3	c	3	o, a	*	48	38	0.03
	Spurn Head ...	29.92	45	NNE	4	o	30.06	+.22	45	41	–1	NNE	4	b	3	o p	*	48	42	0.01
	York														*					
	Loughborough ...	29.91	52	NE	1	o	30.07	+.18	44	42	–9	ENE	3	cm	*	g.m.mw	*	53	43	0.01
	Ardrossan ...																*			
	Malin Head ...	29.99	47	NE	2	c	30.13	+.20	46	43	0	E	3	bm	2	c	*	48	43	–
	Belmullet ...	30.03	49	ENE	3	o	30.10	+.12	49	46	0	ESE	3	b	*	o	*	50	40	0.01
	Donaghadee ...	30.01	49	ENE	2	o a m	30.15	+.21	45	42	–2	E	4	bm	4	o m a	*	49	44	–
	Liverpool (Bidston)	29.94	51	NW	1	c	30.10	+.19	45	40	–4	NE	3	o	?	c	*	55	43	0.02
	Holyhead ...	29.94	50	N	1	o m	30.09	+.18	45	44	–4	NE	3	o m	2	o m	*	53	44	–
	Parsonstown ...	29.95	54	NW	1	o	30.09	+.14	48	43	–1	SW	1	b	*	o	0.0	60	41	–
	Valencia ...	29.94	55	NW	3	b v	29.99	+.03	54	50	+2	ENE	4	b	3	c v, b v	10.8	56	45	–
	Roche's Point ...	29.97	54	SW	1	o	30.02	+.05	50	47	–1	ESE	5	b	4	o	*	55	45	–
	Pembroke (St. Ann's Hd.)	29.95	53	NNW	3	b	30.00	+.05	52	49	+2	E	3	b	3	b	12.5	54	45	–
	Scilly	29.94	53	NE	2	o	29.94	–.02	49	47	0	NE	3	c	1	o	0.1	56	47	–
	Prawle Point ...	29.92	53	NSW	2	b	29.94	.00	52	50	–2	ENE	4	c	3	b	*	56	49	–
	Jersey (St. Aubin's)	29.94	54	NW	3	b c m	29.93	–.05	48	48	–5	NSW	2	f	2	c g, b c. f	*	56	43	–
	Hurst Castle ...	29.88	53	NSW	3	b c	29.95	+.03	49	47	–4	NE	4	o m	3	c. b c	*	59	47	–
	Dungeness ...	29.89	52	NSW	2	c	29.97	+.09	48	47	–6	NE	4	o	3	c	*	59	46	–
	North Foreland																*			
	London (Brixton) ...	29.89	57	NNW	2	o g	30.02	+.13	47	44	–7	NE	4	o	*	b c. c. o	1.8	61	45	–
	Oxford	29.91	54	NE	2	o	30.04	+.14	45	43	–9	NE	2	o u	*	o	*	61	44	–
	Cambridge ...	29.92	52	NNE	2	o	30.05	+.17	46	44	–9	NNE	3	o	*	o	1.0	58	42	–
	Yarmouth ...	29.89	48	NNW	3	o	30.01	+.18	46	42	–4	NNE	4	bc	4	c	*	52	43	–
GERMANY & HOLLAND.	Cuxhaven ...	29.89	45	E	2	o	29.90	.00	42	41	+1	NNE	2	o	*	o	*	46	41	0.04
	Berlin	29.88	48	SSE	1	o	29.84	–.15	45	43	+2	ENE	2	r	*	o	*	52	43	0.04
	Wiesbaden ...	*	*	*	*	*	29.86	–.06	50	47	+3	W	2	bc	*	*	*	54	43	0.08
	Munich	29.96	46	S	0	r	29.90	–.05	49	46	+4	SW	3	o	*	r	*	55	43	0.04
	The Helder ...	29.84	48	NNE	2	m	29.94	+.16	45	41	–4	NE	2	bc	2	m	*	50	43	–
BELGIUM.	Brussels ...	*	*	*	*	*	29.93	+.04	46	45	–2	NNW	2	f	*	bc	*	59	40	0.04
	Cape Gris Nez ...	29.88	51	SSW	1	m	29.91	+.05	47	45	–3	E	4	o	4	m	*	55	45	–
	Paris	29.92	59	N	2	b	29.95	–.01	52	50	+2	N	2	m	*	b	*	66	48	–
	Brest	29.89	63	NE	1	b	29.89	–.03	52	50	+6	ENE	1	b	1	b	*	52	43	–
	Lorient	29.89	64	NNW	1	b	29.89	–.07	52	52	+3	E	2	o	2	b	*	68	46	–
FRANCE &	Rochefort ...	29.84	72	NE	1	b	29.82	–.10	55	54	+2	E	3	o	*	b	*	81	50	–
	Belfort ...	29.89	56	W	2	b c	29.88	–.13	48	44	+3	W	1	m	*	b c	*	57	41	–
	Lyons	29.86	65	N	1	b	29.90	–.09	55	49	+6	N	1	b	*	b	*	75	48	–
	Nice	29.86	69	SE	2	c	29.90	–.07	56	52	–7	ENE	2	bc	1	c	*	66	48	–
	Perpignan ...	29.86	65	S	0	b	29.89	–.09	57	55	–4	NW	1	o	*	b	*	72	51	–
	Biarritz ...	29.71	81	ENE	3	b	29.81	–.04	58	57	–2	W	3	o	2	b. t l	*	82	57	0.04
PENINSULA	Corunna ...																*			
	Lisbon	29.85	62	NW	3	b	29.94	+.06	63	57	+4	NNW	4	b	*	b	*	73	57	–
	Azores (P. Delgada)	29.64	62	SW	5	b c	29.65	+.05	63	61	+2	SSW	6	c	6	bc	*	66	61	–

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

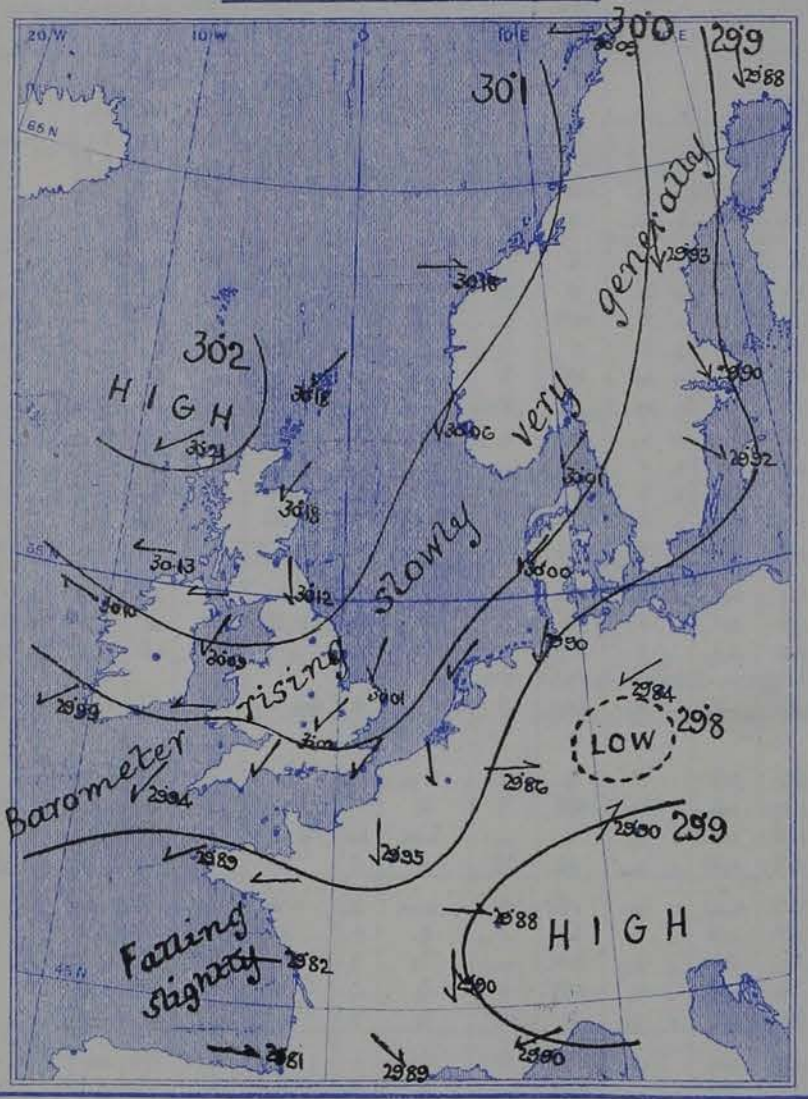
Bright Sunshine yesterday Southport 6.6 *hrs;*

WEATHER CHARTS

FOR Wednesday, 3rd May, 1899.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MAY.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29·956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29·941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29·984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·2 in: and upwards in the Hebrides, 30·0 in: and upwards in an anticyclone embracing nearly the whole of our Islands, the North Sea, Denmark and Norway.
Lowest, 29·8 in: and less, in two shallow depressions, – one lying over Central Germany and the other over the southern part of the Bay of Biscay.
Gradients slight. Barometer rising generally.

TEMPERATURE — Highest, 63° at Lisbon, 58° at Biarritz, 57° at Perpignan, 56° at Nice, 55° at Rochefort and Lyons, and 54° at Valencia (Ireland).
Lowest, 28° at Bodö, 32° at Haparanda and Hernösand, and 35° at Karlstad; lowest in our Islands 43° at Lerwick Head and Shields.
The maxima registered yesterday were below 50° at most of our northern stations, but above 55° in the Central and southern districts. At Parsontown the thermometer rose to 60° and in London and at Oxford to 61°.

WIND — N. in Scandinavia, and strong in force at Hernösand and Faeroe; light to moderate from the NE. over Denmark, North Germany, Holland and Great Britain; E. in Ireland and also in the west of France.
Light from the N. over Belgium and Central France; SW. in South Germany.

WEATHER — Fine in Ireland and the northern part of Great Britain, as well as in Denmark, the south of Scandinavia and the southeast of France.
Cloudy or dull elsewhere, with fog at some of the English Channel stations and at Brussels, and with rain at Berlin.
Slight rain fell yesterday at several of our more northern stations and also in Germany. A thunderstorm has occurred at Biarritz.

SEA — Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over Holland yesterday has passed on to Central Germany, and a large anticyclone has spread over Northwestern Europe from the northward. Easterly and northeasterly winds, and fair dry weather are likely to continue over our Islands for a time.

FORECASTS

For the 24 hours ending at NOON on 4th MAY, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	NE. winds, light; fair generally.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	NE. winds, moderate; fair generally.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 0 to 2
8 ENGLAND S.W.	Same as Nos. 3 to 5.
9 IRELAND NORTH 10 IRELAND SOUTH	E. winds, light or moderate; fair generally.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.99	46	40	NNW	6	b	2
Sumburgh Head	30.02	45	41	N	1	o	3
Stornoway	30.05	50	47	ENE	4	b	4
Aberdeen	30.04	43	41	E	2	o g	3
Shields	29.93	45	45	NE	2	o	3
Ardrossan							
Malin Head ...	29.99	48	45	NE	3	c	2
Belmullet	30.02	50	46	NE	3	o	*
Holyhead	29.94	51	50	N	1	o m	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.97	55	52	W	2	c v	4
Scilly	29.96	56	54	NNE	1	o	o
Jersey	29.97	55	52	W	3	c	3
Hurst Castle ...	29.91	56	53	SW	3	c	2
Dungeness ...	29.89	58	53	WSW	3	c	2
North Foreland							
London (Westminster)	29.89	59	53	NW	2	c	*
Yarmouth ...	29.87	50	47	NNW	4	c	4
Rochefort ...	29.88	70	64	NW	1	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull in our Islands, with showers at several of our more northern stations and fog at Scilly. Fine over Southern Europe generally and also in Scandinavia; cloudy in other parts of the Continent, with rain at Brussels and Münster and also at St Petersburg and Kiev; snow falling in Finland. Improvement taking place later in the north of our Islands, but a little rain falling in Germany; thunderstorm occurring at Biarritz.

Temperature rises in most parts of western and northern Europe, fallen elsewhere. Morning readings highest 67° at Oran, Algiers, and San Fernando, and 64° at Nemours and Constantinople; slightly above 60° in several parts of Europe. Lowest 27° at Bodö, 28° at Uleaborg and Hangö, and 31° at Archangel and Haparanda; below 40° in most parts of Scandinavia and northern Russia. Daily maxima below 50° at many of our over northern stations, but thermometer rising to between 55° and 60° in the central and southern districts and reaching 61° in London and at Oxford. Exceeding 70° in the southern parts of France and touching 82° at Biarritz.

Wind light to moderate from the E^ly or NE^ly over Norway and the extreme north and northwest of our Islands, but from the NW^ly in all other parts of the United Kingdom; light from the S^ly over Central France and Germany. Strong from the N^ly in Sweden, W^ly or NW^ly over the Baltic, SW^ly or S^ly over central and southern Russia. E^ly over Spain and the west and south of France, variable in Italy and Austria. Subsequently backing to the W^ly or SW^ly over the eastern parts of the English Channel, no important change occurring elsewhere.

Barometer highest 30.0 ins: and upwards in a large area lying to the northward of our Islands and also in another system over Eastern Germany, Austria, Italy, and the western parts of the Mediterranean. Lowest 29.5 ins: and less, in a well marked depression with its centre over the Gulf of Finland; 29.8 ins: and less, in a small shallow disturbance over Holland. High pressure in north subsequently spreading southwards, depression over Holland moving eastwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 4th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.99	33	N	2	b	30.13	+.25	31	30	-1	N	4	0	*	b	*	44	27	-
	Hernösand ...	30.09	33	E	0	b	30.20	+.27	40	34	+8	N	4	b	*	b	*	50	28	-
	Stockholm ...	30.06	35	E	0	o	30.20	+.30	42	36	+6	N	2	b	*	o	*	42	30	-
	Wisby	30.08	35	W	4	bc	30.18	+.26	37	33	+1	N	4	c	*	bc	*	41	30	-
	Karlstad ...	30.12	42	NE	2	bc	30.25	+.26	39	32	+4	NNE	2	b	*	bc	*	*	*	-
	Bodö	30.09	36	SSE	2	c	30.12	+.03	37	36	+9	W	4	o	2	c	*	39	28	0.12
	Christiansund ...	30.25	42	N	1	o	30.33	+.15	46	39	+7	WSW	2	o	3	o	*	46	39	-
	Skudesnaes ...	30.15	44	N	2	b	30.28	+.22	44	39	+4	E	2	b	1	b	*	48	36	*
	Færder (Christiania Fjord)	30.09	40	NW	1	o	30.28	+.25	40	36	+3	NNE	4	b	2	o	*	46	37	-
	Skagen (The Scaw)	30.10	42	NNE	1	bc	30.25	+.24	43	40	+6	E	2	b	0	bc	*	50	37	-
	Fanö	30.12	35	ENE	1	b	30.21	+.21	39	36	+1	ENE	1	b	*	b	*	50	34	-
	Sumburgh Head	30.27	43	NE	2	b	30.37	+.19	46	40	+3	NE	1	b	3	bc.b	*	47	36	-
	Stornoway	30.25	49	ENE	5	b	30.35	+.14	48	43	+1	SSE	3	b	3	b	13.6	51	33	-
	Wick ...	30.27	43	NE	2	b	30.36	+.17	47	43	+2	NW	1	b	1	b	*	51	29	-
	Nairn	30.28	47	ENE	2	bc	30.39	+.15	42	40	-2	W	1	b	0	bc	*	50	28	-
	Aberdeen ...	30.27	45	NNE	3	b	30.38	+.20	44	40	-1	NNE	2	c	3	bq.b	12.9	48	34	-
BRITISH ISLANDS.	Leith	30.24	47	E	3	b	30.38	+.20	44	41	-3	ENE	1	o	*	b	*	52	38	-
	Shields	30.21	44	NNE	3	c	30.33	+.21	44	41	+1	NNE	3	cp	3	p.bc	*	47	38	0.01
	Spurn Head ...	30.14	45	N	4	b	30.28	+.22	48	42	+3	NE	4	b	3	p.b	*	49	41	-
	York														*					
	Loughborough ...	30.14	49	NNE	3	o	30.29	+.22	43	39	-1	NE	1	bcw	*	bc.c.bc	*	53	29	-
	Ardrossan ...																*			
	Malin Head ...	30.21	47	E	3	b	30.30	+.17	46	41	0	ESE	4	b	2	b	*	50	38	-
	Belmullet ...	30.15	49	E	4	b	30.25	+.15	49	45	0	ESE	4	b	*	b	*	58	40	-
	Donaghadee ...	30.21	50	NNE	2	b	30.37	+.22	43	40	-2	E	4	b	4	b	*	51	42	-
	Liverpool (Bidston)	30.16	50	NE	3	bc	30.32	+.22	42	38	-3	NE	2	bc	2	bc	*	52	35	-
	Holyhead ...	30.16	47	NE	4	cm	30.31	+.22	46	41	+1	ENE	3	bc	2	bm.cm	*	50	38	-
	Parsonstown ...	30.12	54	SE	1	c	30.27	+.18	48	44	0	SW	1	b	*	c	11.5	60	35	-
	Valencia ...	30.05	58	ESE	2	c	30.18	+.19	54	48	0	E	4	om	4	c	11.4	68	46	-
	Roche's Point ..	30.10	51	ESE	5	bc	30.24	+.22	51	48	+1	SE	4	b	4	bc	*	56	44	-
	Pembroke (St. Ann's Hd.)	30.09	50	SE	3	c	30.26	+.26	46	44	-6	ESE	3	bm	3	c	10.6	55	42	-
	Scilly	30.02	52	ENE	5	o	30.15	+.21	50	47	+1	E	5	c	3	c.om	9.4	56	46	-
	Prawle Point ...	30.06	48	ENE	3	c	30.21	+.27	45	41	-7	ENE	4	bc	3	c	*	54	42	-
	Jersey (St. Aubin's)	30.00	53	ENE	5	bcm	30.18	+.25	51	46	+3	E	5	bm	4	o.bcm	*	57	45	-
	Hurst Castle ...	30.08	52	ENE	3	cm	30.24	+.29	46	43	-3	ENE	3	bc	2	om.cm	*	54	37	-
	Dungeness ...	30.05	48	NE	4	bc	30.20	+.23	45	44	-3	ENE	3	c	2	c.bc	*	52	33	-
	North Foreland																*			
	London (Brixton) ...	30.10	48	NE	2	c	30.24	+.22	47	41	0	NE	3	bc	*	c.b	2.3	56	36	-
	Oxford	30.18	43	NE	2	b	30.27	+.23	44	40	-1	NE	4	b	*	o.b	*	54	33	-
	Cambridge ...	30.14	41	NNE	3	b	?30.27	+.22	46	43	0	N	3	bc	*	b	8.4	54	30	-
	Yarmouth ...	30.10	47	NNE	4	bc	30.23	+.22	45	40	-1	ENE	4	bc	4	bcv	*	50	41	-
GERMANY & HOLLAND.	Cuxhaven ...	29.98	45	NNW	3	o	30.11	+.21	43	39	+1	NNE	2	b	*	o	*	46	37	-
	Berlin	29.89	?	NE	4	o	29.93	+.09	38	36	-7	NW	4	r	*	o	*	48	37	0.16
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich... ..	29.88	45	W	3	r	29.99	+.09	41	38	-8	NW	4	o	*	r	*	59	37	0.47
	The Helder ...	30.06	45	N	3	b	30.18	+.24	44	39	-1	NNE	3	bc	2	b	*	50	41	-
FRANCE & BELGIUM	Brussels ...	*	*	*	*	*	30.17	+.24	42	39	-4	NNE	3	b	*	b	*	51	34	0.04
	Cape Gris Nez	30.06	46	E	5	c	30.15	+.24	46	41	-1	E	4	c	4	c	*	50	39	-
	Paris	29.99	53	NNE	3	b	30.15	+.20	43	39	-9	NE	3	b	*	b	*	62	36	-
	Brest	29.93	59	NE	1	f	30.07	+.18	46	44	-6	ENE	4	bc	3	f	*	68	43	-
	Lorient... ...	29.94	62	NW	4	c	30.04	+.15	48	47	-4	ENE	5	c	4	c	*	75	46	-
	Rochefort ...	29.82	66	N	3	bc	29.92	+.10	53	50	-2	E	4	b	*	b.bc	*	88	48	-
	Belfort	29.83	57	WNW	4	c	29.99	+.11	39	38	-9	ENE	3	m	*	c	*	64	38	-
	Lyons	29.84	66	N	3	bc	29.96	+.06	46	45	-9	NW	3	o	*	r	*	55	46	-
	Nice	29.89	56	SE	2	c	29.82	-.08	53	53	-3	SW	1	f	3	c	*	64	52	-
	Perpignan ...	29.86	64	S	1	o	29.88	-.01	64	59	+7	NW	1	o	*	o	*	68	56	0.04
	Biarritz ...	29.89	59	W	4	o	29.94	+.13	59	55	+1	W	4	o	3	o	*	63	57	-
PENINSULA.	Corunna ...																*			
	Lisbon	30.02	60	N	4	b	29.98	+.04	62	56	-1	NNW	5	b	*	b	*	73	55	-
	Azores (P. Delgada)	29.77	61	SW	4	r	29.92	+.27	62	58	-1	WNW	3	c	3	r	*	66	59	0.28

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster*

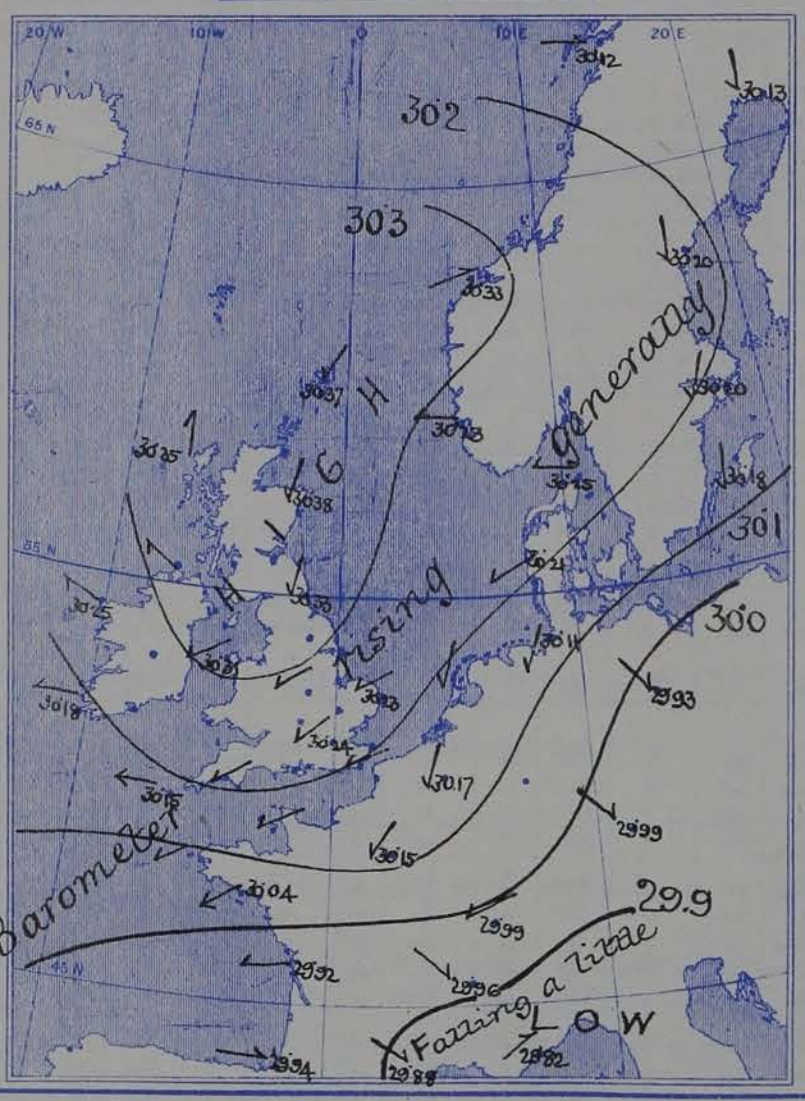
Bright Sunshine yesterday: Southport 7·1 hrs.

WEATHER CHARTS

FOR Thursday, 4th May, 1899.

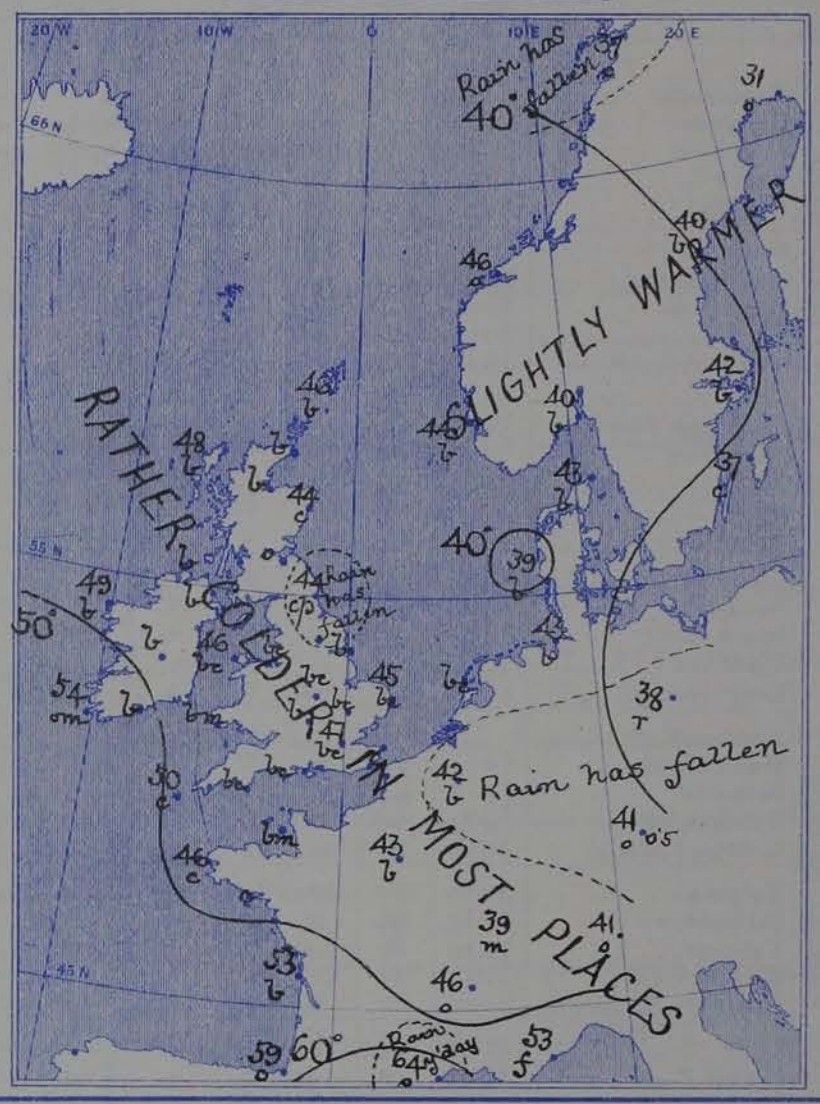
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MAY.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.3 inches and upwards over the northern parts of our Islands and the west of Norway, 30.0 inches and upwards in an anticyclone covering the whole of Northwestern Europe. Lowest 29.9 inches and less in a shallow depression over the south of France. Gradients slight. Barometer rising generally, but falling a little in the extreme south of France.

TEMPERATURE — Highest (1) 64° at Perpignan, 62° at Lisbon, 59° at Biarritz and 53° at Nice (2) 54° at Valencia Ireland, and 51° at Roche's Point and Jersey. Lowest 31° at Haparanda, 34° at Bodö and Wisby and 38° at Berlin. lowest in our Islands 42° at Nairn and Liverpool. Frost occurred last night in many parts of Great Britain, the lowest temperatures reported being:—(1) In the screen 28° at Nairn, 29° at Wick and Loughboro' and 30° at Cambridge, (2) On the grass 23° at Loughboro', 27° at Oxford and 29° in London

WIND — Northerly in Sweden, Northeasterly over Denmark, the Netherlands, the North of France and all but the extreme northern parts of Great Britain and fresh in force at some of the English Channel stations; Easterly in Ireland. Northwesterly in Germany; Westerly in the south of France and also in the west of Norway.

WEATHER — Fine over Western Europe generally, but cloudy and showery on our own northeast coasts. Dull in the west of Norway and also in Germany and the south of France, with rain at Berlin. Slight showers fell yesterday on the northeast coasts of England, and larger quantities of rain in Germany.

SEA — Moderate on several parts of our south and southwest coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone continues to increase slowly both in size and intensity. There are at present no signs of any important change in the weather over our Islands.

FORECASTS

For the 24 hours ending at NOON on MAY 5TH 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Light variable breezes; fine generally.
1 SCOTLAND EAST	Northeasterly winds, light; fair generally.
2 ENGLAND N.E.	
3 ENGLAND EAST	Same as No. 5
4 MIDLAND COUNTIES	Same as Nos: 1 and 2.
5 ENGLAND SOUTH	Northeasterly winds, moderate or fresh; fair generally.
6 SCOTLAND WEST	Same as Nos: 1 and 2.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Easterly winds, fresh; fair generally.
9 IRELAND NORTH	Easterly and Southeasterly winds, moderate; fine generally.
10 IRELAND SOUTH	
WARNINGS	None Issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	? 30·12	48	40	N	4	b	1
Sumburgh Head	30·25	46	41	NE	3	bc	4
Stornoway	30·24	51	46	ENE	5	b	5
Aberdeen	30·24	47	41	NE	5	bq	4
Shields	30·18	45	42	NNE	3	bc	3
Ardrossan							
Malin Head ...	30·18	50	45	E	2	b	2
Belmullet	30·14	57	49	ESE	2	b	*
Holyhead	30·14	50	45	NE	4	bm	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·03	61	54	SE	3	c	4
Scilly	29.98	56	54	E	4	om	1
Jersey	29.97	57	54	ENE	3	o	3
Hurst Castle ...	30·05	52	48	ENE	4	om	3
Dungeness ...	30·02	51	48	NNE	4	c	3
North Foreland							
London (Westminster)	30·07	53	48	NE	3	c	*
Yarmouth ...	30·08	50	44	NE	4	bc	4
Rochefort ...	29·84	84	72	E	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over Western and Southern Europe as a whole, but dull over the Central and southern parts of England, the west of France and the north of Spain; fog reported at some of the English Channel stations and also at Brussels. Dull over the greater part of Russia, Germany and Austria, with rain in several isolated places, and snow at St. Petersburg and Reiga. Slight showers falling later on the northeast coasts of England, but weather improving over our central and southern districts.

Temperature fallen over Ireland, England and the neighbouring parts of the Continent, but changed rather irregularly elsewhere. Morning readings highest 70° at Barcelona, 69° at Algier and 68° at Oran and La Galle, above 60° at several of the Mediterranean, Adriatic and Spanish coasts stations. Lowest 28° at Bodö and 32° at Uleaborg, Haparanda, Hangö and Helsingfors. Daily maxima below 50° on our own northeast coasts, thermometer exceeding 55° at many of our western and southern stations and reaching 63° at Roche's Point, exceeding 65° in the west of France, and reaching 75° at Lorient. Frost occurring over Great Britain at night.

Wind light to moderate from the Northeast over Denmark, Holland and Great Britain, and from the east in Ireland as well as in the west of France. Moderate to strong from the North or Northwest in Sweden. Light and variable over Southern and Eastern Europe; cyclonic circulation of light breezes reported over Germany. No important change occurring over Western Europe during day. Barometer highest 30.2 inches and upwards in the Hebrides; 30.0 inches and upwards in an anticyclone embracing a considerable portion of Northwestern Europe, and also in two other systems one lying over Central Russia and the other over Italy. Lowest 29.7 inches and less in a depression over Finland, 29.8 inches and less in two shallow systems lying respectively over Central Germany and over the southern part of the Bay of Biscay. Barometer rising over Western Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Friday, 5th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather	Hours of Bright Sunshine	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·24	33	N	0	0	30·22	+·09	33	31	+2	S	2	c	*	0	*	34	28	–
	Hernösand ...	30·29	44	N	0	0	30·36	+·16	44	38	+4	W	2	c	*	0	*	48	28	–
	Stockholm ...	30·33	42	NE	2	b	30·43	+·23	41	37	−1	N	0	o	*	b	*	48	30	–
	Wisby	30·30	33	W	4	b	30·39	+·21	37	36	0	NNE	4	b	*	b	*	41	30	–
	Karlstad ...	30·34	43	W	2	c	30·45	+·20	43	38	+4	N	2	o	*	b	*	*	*	–
	Bodö	30·19	39	SW	6	o	30·24	+·12	39	37	+2	SW	8	o	5	o	*	?	36	0·20
	Christiansund ...	30·39	43	W	2	c	30·49	+·16	49	45	+3	WNW	2	c	3	c	*	50	41	0·04
	Skudesnaes ...	30·37	45	WNW	2	b	30·39	+·11	45	40	+1	ENE	2	b	1	b	*	48	36	*
	Faerder (Christiania Fjord)	30·32	47	WNW	2	b	30·45	+·17	43	39	+3	NNE	4	b	2	b	*	46	39	–
	Skagen (The Scaw)	30·34	44	N	1	b	30·43	+·18	45	42	+2	ENE	1	b	0	b	*	52	41	–
	Fanö	30·34	41	ENE	2	b	30·42	+·21	40	38	+1	E	2	b	*	b	*	61	36	–
BRITISH ISLANDS.	Sumburgh Head	30·42	45	WNW	1	c	30·49	+·12	45	42	−1	NW	1	o	3	c	*	48	37	–
	Stornoway ...	30·38	50	E	3	b	30·44	+·09	49	45	+1	WNW	2	b	2	b	13·8	54	33	–
	Wick	30·34	47	SE	2	b	30·43	+·07	47	43	0	S	2	b	1	b	*	53	35	–
	Nairn	30·39	49	E	2	b	30·47	+·08	45	42	+3	N	0	b	0	b	*	50	28	–
	Aberdeen ...	30·43	44	ENE	2	bc	30·51	+·13	47	44	+3	E	2	bcw	2	c.bc	2·5	48	31	–
	Leith	30·39	48	E	3	b	30·49	+·11	45	40	+1	ENE	1	o	*	b	*	52	37	–
	Shields	30·39	43	NE	3	c	30·47	+·14	44	40	0	NE	2	c	3	b,c	*	49	34	–
	Spurn Head ...	30·35	45	NNE	4	b	30·48	+·20	48	44	0	NNE	4	b	2	b	*	50	41	–
	York														*					
	Loughborough ...	30·32	50	ENE	3	b	30·45	+·16	43	40	0	NE	2	cmw	*	bc.bm.c	*	54	28	–
	Ardrossan ...																*			
	Malin Head ...	30·33	48	E	5	b	30·35	+·05	47	44	+1	SE	5	bm	2	b	*	49	40	–
	Belmullet ...	30·24	55	SSE	3	b	30·34	+·09	50	45	+1	SE	2	b	*	c.b	*	58	39	–
	Donaghadee ...	30·36	49	E	2	b	30·45	+·08	47	44	+4	ESE	4	b	3	b	*	51	42	–
	Liverpool (Bidston)	30·33	49	E	2	bc	30·47	+·15	47	40	+5	ESE	1	b	1	bcm	*	52	36	–
	Holyhead ...	30·30	47	ENE	4	b	30·41	+·10	50	44	+4	E	1	bm	1	m.b	*	50	38	–
	Parsonstown ...	30·27	54	SE	1	b	30·37	+·10	49	44	+1	SE	1	bm	*	b	11·5	57	32	–
	Valencia ...	30·22	53	ESE	4	b	30·26	+·08	52	51	−2	SE	5	bcm	4	bc.b	13·0	59	44	–
	Roche's Point ..	30·27	50	SE	4	b	30·34	+·10	50	47	−1	SE	5	c	4	b	*	53	46	–
	Pembroke (St. Ann's Hd.)	30·27	48	SE	3	b	30·38	+·12	45	43	−1	SE	4	bm	3	b	12·7	50	43	–
	Scilly	30·23	49	E	5	c	30·27	+·12	51	47	+1	ESE	5	c	3	c	11·4	55	45	–
	Prawle Point ...	30·26	46	ENE	4	b	30·36	+·15	45	43	0	ENE	4	c	3	b	*	50	42	–
	Jersey (St. Aubin's)	30·21	51	NE	5	b	30·35	+·17	51	45	0	E	4	b	3	b	*	54	44	–
	Hurst Castle ...	30·27	51	ESE	3	b	30·38	+·14	48	44	+2	ENE	3	bm	2	c.b	*	56	37	–
	Dungeness ...	30·26	47	ENE	4	b	30·37	+·17	51	48	+6	NE	4	b	3	c.b	*	52	43	–
	North Foreland																*			
	London (Brixton) ...	30·29	48	NE	4	b	30·41	+·17	49	43	+2	NE	2	b	*	c.b	5·7	55	36	–
	Oxford	30·34	45	NE	3	b	30·44	+·17	46	42	+2	NE	3	b	*	b	*	53	32	–
	Cambridge ...														*					
	Yarmouth ...	30·29	47	NE	4	bv	30·40	+·17	48	44	+3	NE	4	b	4	bv	*	49	42	–
GERMANY & HOLLAND.	Cuxhaven ...	30·21	47	ENE	3	b	30·34	+·23	46	43	+3	NNE	2	b	*	b	*	50	41	–
	Berlin	30·06	42	NW	5	r	30·16	+·23	43	41	+5	N	5	r	*	r	*	48	38	0·32
	Wiesbaden ...	*	*	*	*	*	30·24		43	41		NW	5	c	*	*	*	59	37	–
	Munich... ..	30·08	38	W	0	r	30·11	+·12	35	34	−6	W	5	s	*	r	*	48	30	0·20
	The Helder ...	30·27	46	NNE	2	b	30·35	+·17	49	45	+5	NE	2	b	1	b	*	48	43	–
BELGIUM.	Brussels ...	*	*	*	*	*	30·36	+·19	45	42	+3	E	2	b	*	b	*	51	35	–
	Cape Gris Nez ...	30·24	45	ENE	5	bc	30·30	+·15	47	43	+1	E	2	b	2	bc	*	54	39	–
	Paris	30·18	50	NE	3	b	30·30	+·15	43	39	0	NNE	3	b	*	b	*	55	35	–
	Brest	30·11	58	ENE	4	b	30·27	+·20	45	43	−1	E	3	b	2	b	*	61	43	–
	Lorient... ...	30·12	58	E	4	b	30·25	+·21	45	41	−3	E	4	b	4	b	*	73	43	–
FRANCE &	Rochefort ...	30·01	61	E	4	b	30·14	+·22	44	41	−9	E	4	b	*	b	*	72	39	–
	Belfort	30·06	44	ENE	3	c	30·20	+·21	37	35	−2	ENE	2	m	*	c	*	49	32	–
	Lyons	30·01	52	N	2	b	30·13	+·17	41	38	−5	N	3	b	*	b	*	60	37	–
	Nice	29·75	55	E	2	o	29·78	−·04	55	53	+2	E	1	c	o	o	*	66	48	–
	Perpignan ...	29·88	64	NW	3	bc	30·01	+·13	59	50	−5	E	1	b	*	bc	*	72	?	–
	Biarritz ...	29·96	60	W	3	c	29·98	+·14	53	48	−6	E	4	o	2	c	*	63	50	–
PENINSULA.	Corunna ...																*			
	Lisbon	29·96	60	N	5	b	29·93	−·05	63	57	+1	N	5	bc	*	b	*	68	59	–
	Azores (P. Delgada)	30·13	59	N	3	b	30·18	+·26	61	57	−1	NNE	2	bc	2		*	66	54	–

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

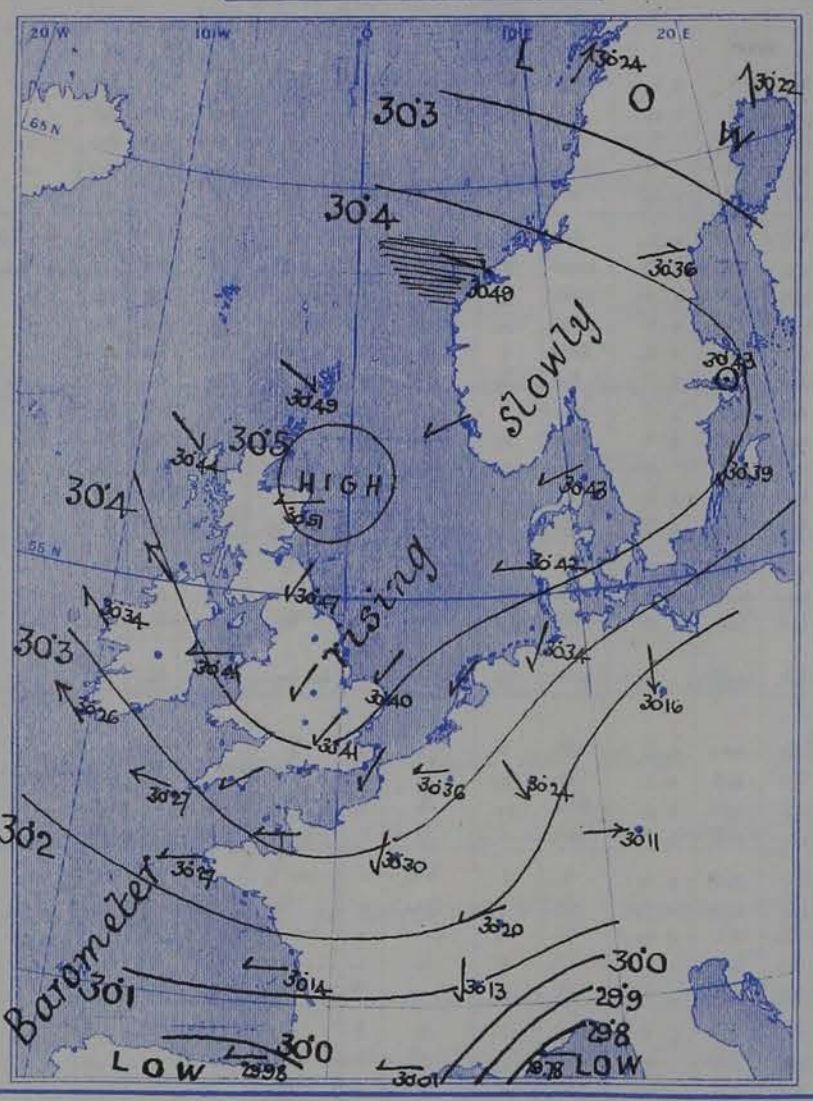
Bright Sunshine yesterday Southport 11·7 hrs;

WEATHER CHARTS

FOR Friday, 5th May, 1899.

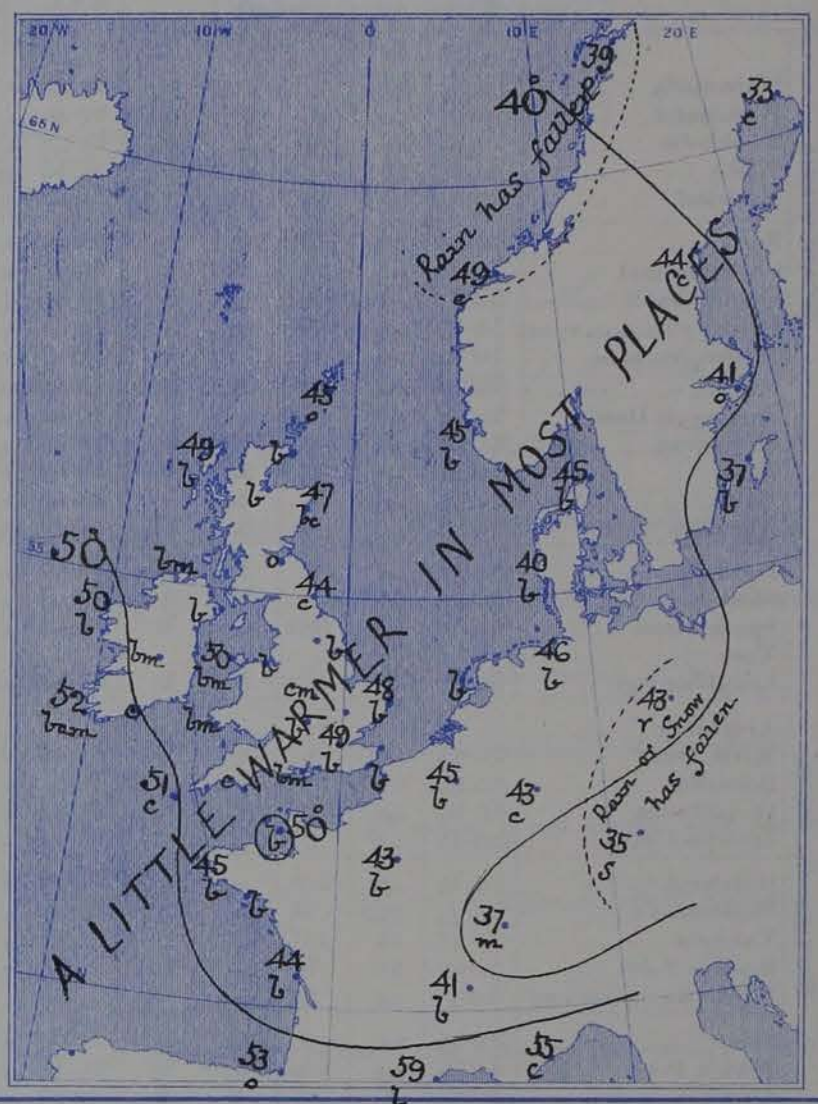
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MAY.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·51 ins: at Aberdeen, 30·2 ins: and upwards in an anticyclone covering the whole of northwestern Europe.

Lowest, 29·8 ins: and less, in a depression over the Gulf of Genoa.

Gradients slight generally, but rather steep over the southeast of France.

Barometer rising a little in most places, but apparently steady at Valencia (Ireland).

TEMPERATURE

Highest (1) 63° at Lisbon, 59° at Perpignan, 55° at Nice and 53° at Biarritz; (2) 52° at Valencia (Ireland) and 51° at Scilly and Jersey.

Lowest, (1) 33° at Haparanda and 39° at Bodö; (2) 35° at Munich and 37° at Belfort; lowest in our Islands 43° at Loughborough.

Frost was again experienced last night in many part of Great Britain, the lowest temperatures reported being:– In the screen 28° at Nairn and Loughborough, 31° at Aberdeen and 32° at Oxford; (2) On the grass 23° at Loughborough, 26° at Oxford, and 29° in London.

WIND

Light to moderate from the NE^ly over England, Central France, Denmark, the Netherlands, and the south of Scandinavia, and from the E^ly in the west and south of France.

Fresh from the SE^ly in Ireland; variable in the north of Scotland; SW^ly or W^ly in the north of Scandinavia, with a gale at Bodö.

WEATHER

Fine over Western Europe generally, but cloudy at several of the Scandinavian stations.

Rain is falling at Berlin and snow at Munich.

Rain fell yesterday in Germany and also in the west of Norway, but in our Islands the weather remained dry.

SEA

Slight or smooth generally, but moderate off the south of Ireland and at Yarmouth and rather rough at Bodö.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT.

The anticyclone shows at present no signs of giving way. Fine dry weather seems likely to continue with some increase of temperature over England.

FORECASTS

For the 24 hours ending at NOON on 6TH MAY, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Light Variable breezes; fair generally.
1 SCOTLAND EAST	E^ly winds, light; fair generally.
2 ENGLAND N.E.	Same as No 5.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	NE^ly winds, light or moderate; fine generally. Rather warmer.
6 SCOTLAND WEST	Same as No 1.
7 ENGLAND N.W.	
8 ENGLAND S.W.	E^ly winds, moderate or fresh; fair generally.
9 IRELAND NORTH	SE^ly winds, fresh, fair generally.
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to N.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·36	48	42	NW	2	b	1
Sumburgh Head	30·40	47	42	NNW	1	b	3
Stornoway	30·36	54	45	SSE	3	b	3
Aberdeen	30·42	46	42	ENE	2	c	3
Shields	30·37	46	42	ENE	3	b	3
Ardrossan							
Malin Head ...	30·32	48	44	NE	5	b	3
Belmullet	30·27	58	50	SSE	3	c	*
Holyhead ...	30·32	47	43	NE	3	m	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·21	58	49	ESE	4	bc	4
Scilly	30·19	51	48	E	5	c	3
Jersey	30·21	53	46	ENE	5	b	4
Hurst Castle ...	30·25	55	47	ENE	2	c	2
Dungeness ...	30·24	51	48	ENE	4	c	3
North Foreland							
London (Westminster)	30·27	51	45	NE	3	c	*
Yarmouth ...	30·28	49	44	NE	4	bv	4
Rochefort ...	29.98	70	64	E	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over Western Europe generally, but cloudy and showery on the northeast coast of England. Dull in the west of Norway and also over Russia, Germany, northern Italy, and the south of France; fog reported in the Seine south of France, and rain at Berlin and Breslau. Fine over Austria, Greece, and southern Italy. Rain falling later in the west of Norway; no important change occurring elsewhere.

Temperature fallen in our Islands, France, and Germany, risen in most other countries. Morning readings highest 70° at Barcelona and 69° at Algiers and La Calle, above 60° in many parts of southern Europe. Lowest 31° at Haparanda, 33° at Archangel and 34° at Kuopio and St. Petersburg; lowest in our Islands 42° at Nairn and Liverpool. Daily maxima below 50° at some of our northern and eastern stations, but thermometer exceeding 55° on our extreme western and southern coasts; reaching 70° or more at some stations in the west and south of France. Frost occurring over Great Britain at night.

Wind light to moderate from the NE^{wd} over Denmark, North Germany, the Netherlands, the north of France, and all but the extreme northern parts of Great Britain; E^{ly} or SE^{ly} in Ireland. N^{ly} in Sweden and Finland, NW^{ly} over eastern and southern Germany, variable over Austria, Italy, and the south of Russia. W^{ly} or NW^{ly} over the south of France and the greater part of the Spanish Peninsula. No important change occurring later.

Barometer highest 30·3 ins. and upwards over the west of Norway and the northern parts of our Islands; 30·1 ins. and upwards in an anticyclone covering the whole of northwestern Europe. Lowest 29·8 ins. and less, in a depression over Poland. Anticyclone increasing gradually later both in size and height, and barometer rising over Western Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 7 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 6th May, 1899.

Issued by the **Meteorological** *Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

	Stations.	Yesterday Evening. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Force (0 to 12.)	Weather	This Morning. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Past 24 Hours. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·16	23	SW	2	c	30·42	+·20	36	32	+3	NE	4	b	*	c	*	43	21	-
	Hernösand ...	30·42	44	NW	2	b	30·49	+·13	44	38	0	NW	4	b	*	b	*	55	37	-
	Stockholm ...	30·50	42	2	0	b	30·55	+·12	45	41	+4	NE	2	b	*	b	*	50	34	-
	Wisby	30·49	36	ESE	4	b	30·51	+·12	41	38	+4	NNE	4	b	*	b	*	43	28	-
	Karlstad ...	30·48	44	2	0	b	30·55	+·10	44	39	+1	NE	2	b	*	b	*	*	*	-
	Bodö	30·47	39	SW	5	o	30·55	+·31	38	35	−1	N	2	o	1	o	*	41	34	0·20
	Christiansund ...	30·57	44	NNW	2	c	30·62	+·13	45	41	−4	ESE	2	c	3	c	*	49	41	-
	Skudesnaes ...	30·50	45	N	2	b	30·52	+·13	46	41	+1	E	2	b	1	b	*	54	37	*
	Færder (Christiania Fjord)	30·45	47	NSW	1	b	30·56	+·11	43	40	0	NNE	4	b	2	b	*	52	41	-
	Skagen (The Scaw)	30·48	45	NE	1	b	30·54	+·11	46	43	+1	SE	1	b	0	b	*	54	43	-
	Fanö	30·46	41	2	0	b	30·50	+·08	43	40	+3	ESE	1	b	*	b	*	64	37	-
	Sumburgh Head	30·53	45	WNW	1	o	30·57	+·08	46	42	+1	E	1	o	3	bc.o	*	49	40	-
	Stornoway	30·46	53	E	3	b	30·50	+·06	49	47	0	S	2	bw	2	b	14·0	55	34	-
	Wick	30·51	48	E	3	bc	30·55	+·12	47	43	0	SE	2	b	1	b	*	57	33	-
	Nairn	30·45	54	E	3	bc	30·54	+·07	45	43	0	2	0	b	0	bc	*	55	29	-
	Aberdeen ...	30·54	43	SE	2	b	30·58	+·07	46	42	−1	E	1	cw	1	b	11·3	49	32	-
British Islands	Leith	30·49	48	E	2	b	30·57	+·08	50	44	+5	E	1	b	*	b	*	52	33	-
	Shields	30·49	44	E	2	c	30·53	+·06	46	43	+2	NE	2	c	3	b.c	*	48	37	-
	Spurn Head ...	30·45	46	NE	4	b	30·49	+·01	48	43	0	NNE	4	b	3	b	*	52	41	-
	York														*					
	Loughborough ...	30·42	54	E	3	b	30·50	+·05	45	40	+2	NE	3	bw	*	bc.b.bm	*	58	30	-
	Ardrossan ...																*			
	Malin Head ...	30·39	49	ESE	4	bm	30·45	+·10	49	45	+2	ESE	3	bm	2	bm	*	54	40	-
	Belmullet ...	30·36	55	SSE	2	c	30·45	+·11	52	46	+2	ESE	1	b	*	bc.c	*	56	38	-
	Donaghadee ...	30·44	51	SE	2	b	30·52	+·07	47	45	0	SE	3	bw	3	b	*	54	46	-
	Liverpool (Bidston)	30·42	49	NNW	1	b	30·53	+·06	46	41	−1	E	3	b	?	b	*	55	37	-
	Holyhead ...	30·39	49	NE	2	b	30·48	+·07	49	44	−1	NE	2	b	1	bm.b	*	54	40	-
	Parsonstown ...	30·37	53	SE	1	b	30·46	+·09	48	45	−1	S	1	b	*	b	7·8	56	31	-
	Valencia ...	30·31	54	SSE	4	cm	30·40	+·14	55	48	+3	ESE	3	bm	3	cm	6·8	58	44	-
	Roche's Point ...	30·36	51	SE	5	b	30·40	+·06	52	49	+2	SE	4	b	4	b	*	53	40	-
	Pembroke (St. Ann's Hd.)	30·37	51	SE	1	b	30·43	+·05	45	43	0	ESE	3	bm	3	b	12·6	54	40	-
	Scilly	30·30	51	E	5	c	30·33	+·06	51	47	0	E	5	bc	2	c	11·0	56	45	-
	Prawle Point ...	30·34	47	E	3	bc	30·38	+·02	48	44	+3	E	5	b	4	bc	*	50	43	-
	Jersey (St. Aubin's)	30·29	53	ENE	5	bm	30·34	−·01	52	48	+1	ENE	5	b	4	bc.bm	*	56	46	-
	Hurst Castle ...	30·36	52	ESE	1	bc	30·41	+·03	48	44	0	NE	4	bm	3	bc	*	57	39	-
	Dungeness ...	30·34	50	NE	4	b	30·37	·00	51	49	0	NE	4	bc	4	b	*	54	38	-
	North Foreland																*			
	London (Brixton) ...	30·39	54	ENE	1	b	30·44	+·03	48	43	−1	ENE	2	bc	*	bc.bv	7·5	56	38	-
	Oxford	30·41	48	ENE	3	b	30·47	+·03	46	43	0	NE	2	c	*	b	*	55	36	-
	Cambridge ...														*					
	Yarmouth ...	30·41	48	NE	4	b	30·44	+·04	48	45	0	NE	4	b	4	b	*	51	43	-
Germany & Holland	Cuxhaven ...	30·36	48	NE	3	b	30·39	+·05	46	41	0	NNE	3	b	*	b	*	50	41	-
	Berlin	30·21	48	NNE	3	o	30·14	−·02	47	44	+4	N	4	c	*	o	*	57	43	0·16
	Wiesbaden ...	*	*	*	*	*	30·21	−·03	49	48	+6	NE	1	bc	*	*	*	49	43	-
	Munich	30·16	37	W	3	r	30·11	·00	37	37	+2	W	6	r	*	r	*	39	34	0·51
	The Helder ...	30·39	46	NNE	3	b	30·40	+·05	50	47	+1	NNE	3	b	1	b	*	52	43	-
Belgium	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...																*			
	Paris	30·25	55	NE	3	b	30·29	−·01	45	41	+2	NNE	3	b	*	b	*	60	39	-
	Brest	30·20	58	ENE	4	b	30·30	+·09	46	43	+1	E	3	b	2	b	*	63	39	-
	Lorient	30·19	58	ENE	4	b	30·23	−·02	47	46	+2	ENE	5	b	3	b	*	73	43	-
France	Rochefort ...	30·06	61	E	4	b	30·08	−·06	46	43	+2	NE	4	b	*	b	*	70	41	-
	Belfort	30·21	44	E	2	o	30·18	−·02	44	43	+7	E	1	m	*	o	*	50	34	-
	Lyons	30·10	55	N	2	b	30·13	·00	45	42	+4	N	1	b	*	b	*	59	39	-
	Nice	29·93	56	W	2	b	29·99	+·21	55	48	0	2	0	b	0	b	*	66	46	-
	Perpignan ...	29·97	63	S	1	bc	30·04	+·03	56	50	−3	W	1	o	*	bc	*	72	43	-
	Biarritz ...	29·92	63	WSW	2	b	29·96	−·02	50	46	−3	E	2	o	2	b	*	66	48	-
Peninsula	Corunna ...																*			
	Lisbon	29·93	59	N	5	b	29·91	−·02	60	56	−3	NNW	4	o	*	b	*	68	55	-
	Azores (P. Delgada)	30·22	62	SW	3	bc	30·17	−·01	63	61	+2	S	3	c	3	bc	*	70	59	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster*

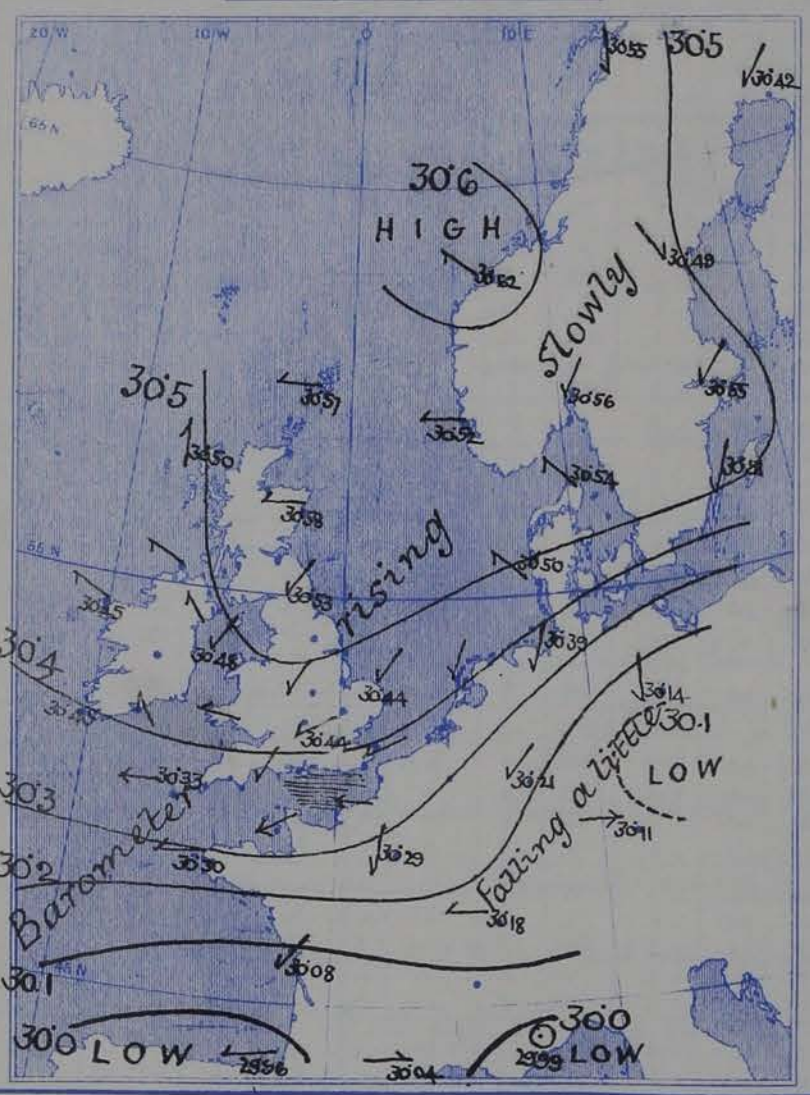
Bright Sunshine yesterday Southport 12·3 hrs;

WEATHER CHARTS

FOR Saturday, 6th May, 1899.

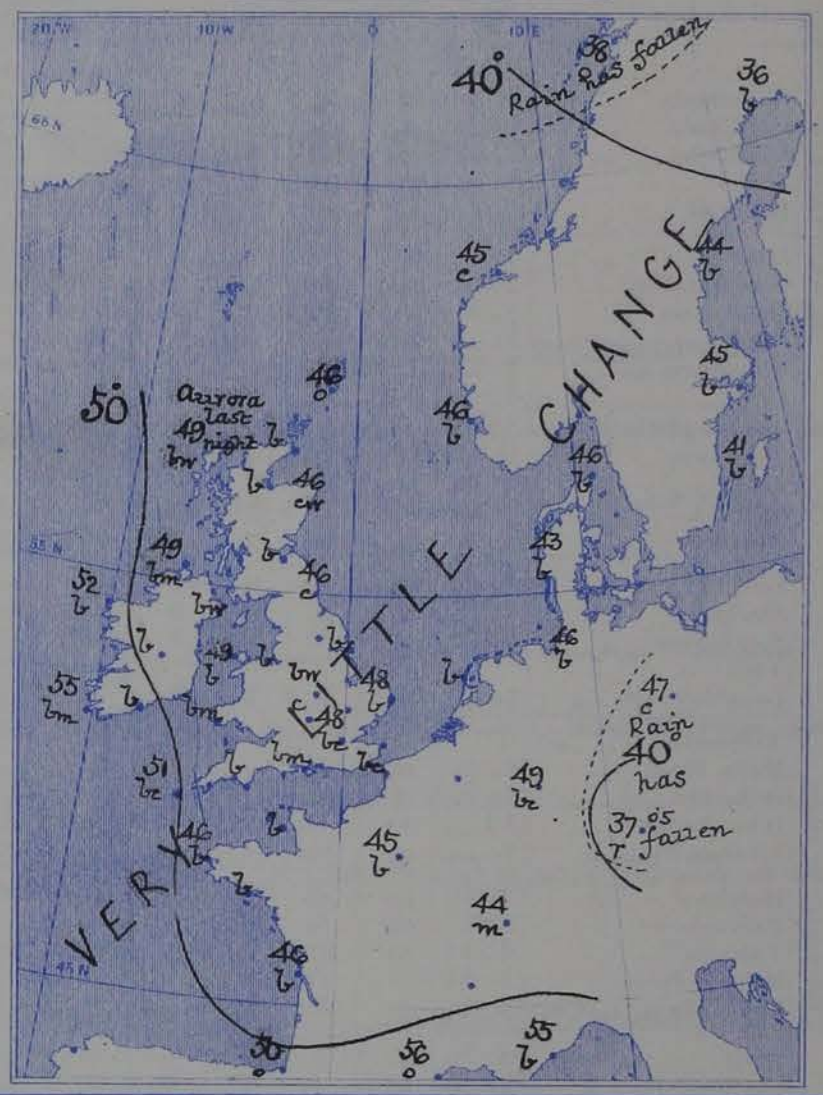
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—Rough *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MAY.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29·956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29·941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29·984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·62 ins: at Christiansund, 30·3 ins: and upwards in an anticyclone embracing the whole of northwestern Europe
Lowest, 30·0 ins: and less, in a shallow depression over the Spanish Peninsula and the extreme southeast of France; 30·1 ins: and less, in another shallow depression over Germany.
Gradients slight generally, but moderate to rather steep over Germany and the Baltic.
Barometer rising slowly in most places, but falling at some of the German stations.

TEMPERATURE

Highest, (1) 60° at Lisbon, 56° at Perpignan and 55° at Nice; (2) 55° at Valencia (Ireland) and 52° at Belmullet, Rodea Point and Jersey.
Lowest, (1) 36° at Haparanda and 38° at Bodö; (2) 37° at Munich; lowest in our Islands 45° at Nairn, Loughborough and Pembroke.
Frost was again experienced last night in many parts of Great Britain, the lowest temperatures reported being:—(1). In the screen 29° at Nairn, 30° at Loughborough and 32° at Aberdeen; (2) On the grass 24° at Loughborough and 29° in London.

WIND

NE or E over Denmark, the south of Scandinavia, the Netherlands, England, and the greater part of France; light or moderate in force generally, but fresh at some of the English Channel stations
SE in Ireland and also in the north of Scotland.
Calm or variable in the south of France; strong from W. at Munich.

WEATHER

Fine over Western Europe generally, but dull at some stations in the extreme south of France. Rain is falling at Munich.
Rain fell yesterday at Berlin and Munich and also at Bodö, but in other parts of our area the weather remained very dry.
An Aurora was seen last night at Stornoway.

SEA

Moderate on several parts of our south and east coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the weather. The depression over Germany may, however, possibly spread westwards, and occasion some increase in the strength of the northeasterly wind on our east and southeast coasts.

FORECASTS

For the 24 hours ending at NOON on 7th MAY, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE winds, light; fair generally.
1 SCOTLAND EAST	E winds, light; fine generally.
2 ENGLAND N.E.	NE winds, light or moderate; fair generally.
3 ENGLAND EAST	Same as No 5
4 MIDLAND COUNTIES	Same as No 2.
5 ENGLAND SOUTH	NE winds, freshening; fair generally.
6 SCOTLAND WEST	Same as No 2.
7 ENGLAND N.W.	
8 ENGLAND S.W.	E winds, fresh; fair generally.
9 IRELAND NORTH	E and SE winds, moderate; fine generally.
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·48	53	44	NNW	2	b	1
Sumburgh Head	?30·52	48	44	NW	1	bc	3
Stornoway ...	30·45	55	49	SE	3	b	3
Aberdeen	30·53	48	44	SE	2	b	2
Shields	30·49	47	43	NE	2	b	3
Ardrossan							
Malin Head ...	30·37	52	48	ESE	5	bm	3
Belmullet	?30·35	55	49	SSE	2	bc	*
Holyhead	30·41	54	47	NW	1	bm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·27	58	51	SE	5	cm	4
Scilly	30·30	54	47	ESE	5	c	2
Jersey	30·33	56	49	ENE	4	bc	3
Hurst Castle ...	30·37	56	49	ENE	1	bc	1
Dungeness ...	30·37	53	50	NE	4	b	3
North Foreland							
London (Westminster)	30·39	54	48	NE	2	c	*
Yarmouth ...	30·41	51	48	NE	4	b	4
Rochefort ...	30·11	66	56	E	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the whole of Western Europe. Cloudy or dull in Scandinavia and also over the eastern and southern parts of the Continent generally, with rain at Berlin, Trieste and Florence, and snow at Munich. Rain falling later at several of the German stations and also at Bodö; aurora seen at Stornoway.

Temperature rises over northwestern Europe, falls in many of the central and southern countries. Morning readings highest 66° at Oporto, Oran and Algiers, and 65° at La Calle; above 60° at several of the Mediterranean, Adriatic, and Spanish coast stations. Lowest (1) 24° at Archangel, and 33° at Haparanda and Kuopio; (2) 35° at Munich and 37° at Belfort; lowest in our Islands 43° at Loughborough. Daily maxima below 55° in many parts of the United Kingdom and very little above it even on our south and southwest coasts, thermometer exceeding 70° at some stations in the west and south of France. Frost occurring in several parts of Great Britain at night.

Wind light to moderate from the NE^{ly} over England, and also over Denmark, the south of Scandinavia, North Germany, the Netherlands and Central France; moderate to fresh from the SE^{ly} in Ireland, variable in the north of Scotland. SW or W^{r} over the northern parts of Scandinavia, NW^{r} over South Germany and Austria. SE^{r} or E^{r} over Italy and the Adriatic, E^{r} over Spain and the west and south of France; N^{r} to W^{r} in Portugal. No important change occurring during day.

Barometer highest 30·51 in. at Aberdeen; 30·2 in. and upwards in an anticyclone covering the whole of northern and northwestern Europe. Lowest 29·8 in. and less in two small depressions, one lying over the Gulf of Genoa and the other over the central part of the Adriatic. Slight fall of barometer taking place later over Great Britain and France, but general distribution of pressure remaining unchanged.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post. £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 7th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·60	33	W	2	0	30·45	+ ·03	37	34	+ 1	2	0	0	#	0	#	45	27	—
	Hernösand ...	30·63	35	2	0	b	30·62	+ ·13	42	37	— 2	2	0	b	#	b	#	55	34	—
	Stockholm ...	30·59	42	2	0	b	30·59	+ ·04	46	42	+ 1	NE	2	b	#	b	#	54	34	—
	Wisby	30·55	39	ENE	4	b	30·53	+ ·02	47	42	+ 6	E	4	b	#	b	#	50	28	—
	Karlstad ...	30·54	48	WNW	2	b	30·61	+ ·06	46	40	+ 2	NE	2	b	#	b	#	#	#	—
	Bodö	30·66	39	SSW	2	0	30·56	+ ·01	41	40	+ 3	SW	6	0	4	0	#	41	34	—
	Christiansund ...	30·60	45	SE	2	b	30·57	— ·05	45	40	0	WSW	2	b	2	b	#	46	37	—
	Skudesnaes ...	30·56	51	2	0	b	30·56	+ ·04	50	43	+ 4	ENE	2	b	1	b	#	54	37	#
	Færder (Christiania Fjord)	30·51	53	N	2	b	30·58	+ ·02	45	41	+ 2	N	2	b	1	b	#	52	42	—
	Skagen (The Scaw)	30·51	48	N	2	b	30·55	+ ·01	48	44	+ 2	E	1	b	0	b	#	55	45	—
	Fanö	30·47	39	E	2	b	30·45	— ·05	48	43	+ 5	E	2	b	#	b	#	64	41	—
	Sumburgh Head	30·55	46	NE	2	0	30·52	— ·05	43	40	— 3	WSW	1	0	3	0	#	49	41	—
	Stornoway ...	30·47	54	SE	3	b	30·45	— ·05	49	47	0	2	0	b	0	b	14·0	55	35	—
	Wick ...	30·52	48	SE	2	b	30·49	— ·06	46	42	— 1	SE	3	b	2	b	#	55	40	—
	Nairn	30·46	51	2	0	bc	30·48	— ·06	45	43	0	2	0	b	0	bc	#	52	30	—
	Aberdeen ...	30·55	45	SE	2	bc	30·53	— ·05	47	42	+ 1	SE	2	b	1	bc	8·9	52	41	—
BRITISH ISLANDS.	Leith	30·51	47	E	3	b	30·51	— ·06	50	44	0	E	1	bc	#	b	#	53	35	—
	Shields	30·51	44	NE	2	c	30·51	— ·02	46	43	0	NNE	2	c	3	bc, c	#	50	40	—
	Spurn Head ...	30·48	47	NNE	4	b	30·45	— ·04	47	46	— 1	NNE	5	bcq	3	b	#	50	42	—
	York														#					
	Loughborough ...	30·43	54	NE	3	b	30·45	— ·05	44	41	— 1	NNE	2	c	#	bc, b, o, c	#	57	37	—
	Ardrossan ...																#			
	Malin Head ...	30·42	51	ESE	4	bm	30·42	— ·03	49	46	0	SE	5	bm	2	bm	#	53	40	—
	Belmullet ...	30·46	57	NNW	1	b	30·40	— ·05	53	47	+ 1	SSE	1	b	#	b	#	61	41	—
	Donaghadee ...	30·48	53	E	2	b	30·48	— ·04	45	43	— 2	NE	2	b	3	b	#	53	45	—
	Liverpool (Bidston)	30·43	53	NE	2	bm	30·47	— ·06	50	43	+ 4	ENE	2	b	?	bm	#	53	38	—
	Holyhead ...	30·45	49	NE	3	bm	30·44	— ·04	50	45	+ 1	NE	2	b	1	b	#	53	41	—
	Parsonstown ...	30·40	59	SE	1	b	30·43	— ·03	44	41	— 4	NE	1	bm	#	b	12·4	6	31	—
	Valencia ...	30·37	57	SE	3	b	30·38	— ·02	51	45	— 4	SE	1	bm	2	b	13·5	61	35	—
	Roche's Point ...	30·43	53	SE	4	b	30·40	·00	52	51	0	ESE	3	b	3	b	#	54	40	—
	Pembroke (St. Ann's Hd.)	30·38	53	NE	3	b	30·40	— ·03	49	46	+ 4	E	2	bm	2	b	13·0	53	42	—
	Scilly	30·36	52	ENE	4	b	30·33	·00	52	48	+ 1	ENE	4	bc	1	b	13·2	56	46	—
	Prawle Point ...	30·35	50	ENE	2	b	30·34	— ·04	49	45	+ 1	ENE	5	b	4	b	#	56	42	—
	Jersey (St. Aubin's)	30·28	53	NE	5	b	30·29	— ·05	50	48	— 2	NE	4	cm	3	b	#	56	47	—
	Hurst Castle ...	30·34	55	ENE	2	b	30·34	— ·07	49	44	+ 1	NE	3	b	2	b	#	58	41	—
	Dungeness ...	30·32	51	NE	5	b	30·26	— ·11	53	51	+ 2	NNE	5	b	4	b	#	55	43	—
	North Foreland																#			
	London (Brixton) ...	30·37	55	NE	3	bc	30·37	— ·07	50	44	+ 2	NE	3	bc	#	bc, b	10·0	62	39	—
	Oxford	30·41	48	NE	3	b	30·40	— ·07	47	43	+ 1	NE	3	b	#	b	#	57	38	—
	Cambridge ...														#					
	Yarmouth ...	30·40	49	NE	4	b	30·37	— ·07	49	47	+ 1	NNE	4	b	4	b	#	52	44	—
GERMANY & HOLLAND.	Cuxhaven ...	30·36	50	NE	4	b	30·29	— ·10	47	44	+ 1	NE	4	c	#	b	#	52	45	—
	Berlin	30·12	52	NNE	5	0	30·10	— ·04	49	47	+ 2	NE	4	0	#	0	#	61	45	0·04
	Wiesbaden ...	*	*	*	*	*	30·09	— ·12	50	48	+ 1	N	2	0	#	*	#	57	48	0·47
	Munich	30·12	42	W	4	0	30·04	— ·07	41	41	+ 4	W	5	r	#	0	#	41	37	0·35
	The Helder ...	30·35	49	NE	4	b	30·30	— ·16	50	46	0	NNE	4	b	2	b	#	52	46	—
BELGIUM.	Brussels ...	*	*	*	*	*	30·21		49	44		NE	4	bc	#	bc	#	60	39	—
	Cape Gris Nez ...	30·29	49	E	5	b	30·24		49	47		E	5	b	5	b	#	54	46	—
	Paris	30·19	60	N	4	b	30·16	— ·13	47	44	+ 2	N	4	0	#	b	#	63	45	—
	Brest	30·24	54	E	3	b	30·25	— ·05	47	46	+ 1	NE	3	b	2	b	#	63	39	—
	Lorient	30·17	57	NE	5	bc	30·22	— ·01	48	48	+ 1	NE	5	bc	4	bc	#	73	48	—
FRANCE &	Rochefort ...	30·02	63	ENE	4	b	30·08	·00	49	48	+ 3	ENE	4	b	#	b	#	72	43	—
	Belfort	30·12	48	ENE	5	b	30·04	— ·04	42	41	— 2	ENE	3	m	#	b	#	56	38	—
	Lyons	30·02	57	N	2	b	30·06	— ·07	45	42	0	N	2	0	#	b	#	63	42	—
	Nice	29·96	60	SW	2	b	29·88	— ·11	60	51	+ 5	2	0	bc	0	b	#	66	52	—
	Perpignan ...	29·96	61	SW	1	0	29·95	— ·09	55	51	— 1	SW	1	c	#	0	#	66	45	—
	Biarritz ...	29·93	61	WSW	4	c	29·98	+ ·02	55	49	+ 5	NNW	3	b	2	c	#	64	58	—
PENIN-SULA.	Corunna ...	29·82	65	NE	5	b	30·05		59	54		NE	3	b	2	b	#	66	52	—
	Lisbon	29·91	58	NW	4	b	29·97	+ ·06	65	57	+ 5	NE	4	b	#	b	#	64	55	—
	Azores (P. Delgada)	30·18	63	SW	3	bc	30·14	— ·03	63	62	0	SSW	4	0	3	bc	#	68	63	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

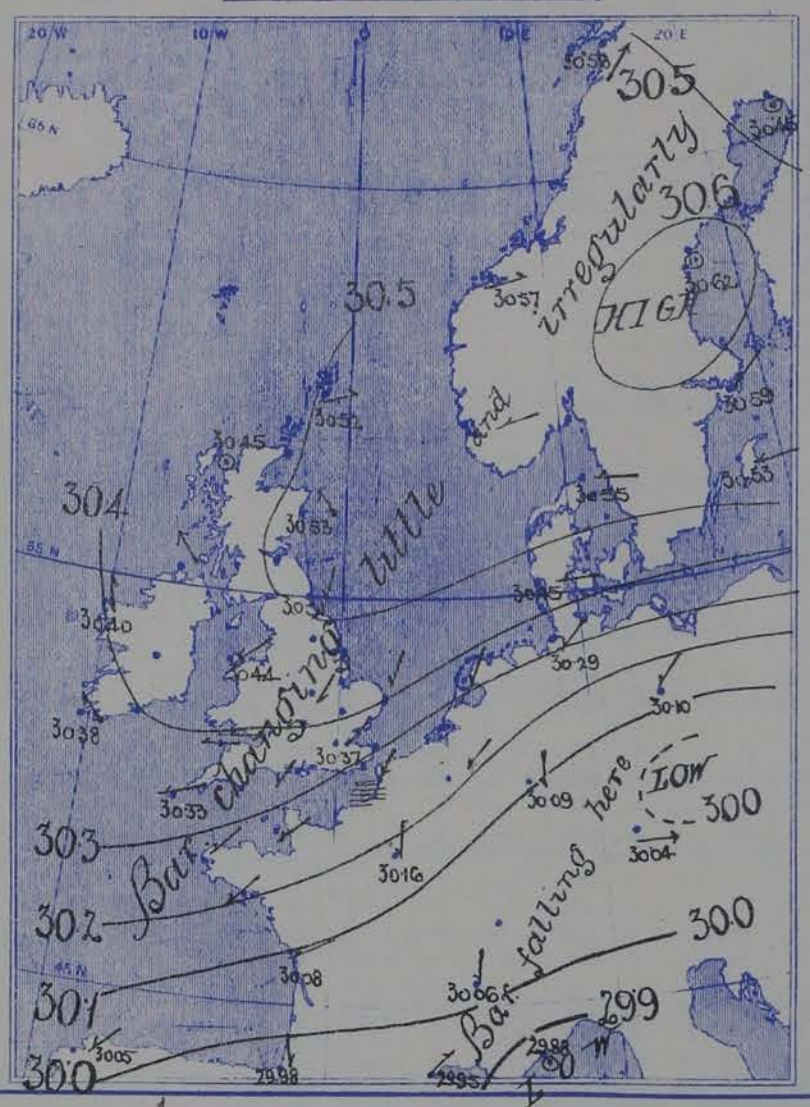
Bright Sunshine yesterday Southport 13·4 hrs.

WEATHER CHARTS

FOR Sunday, 7th May, 1899.

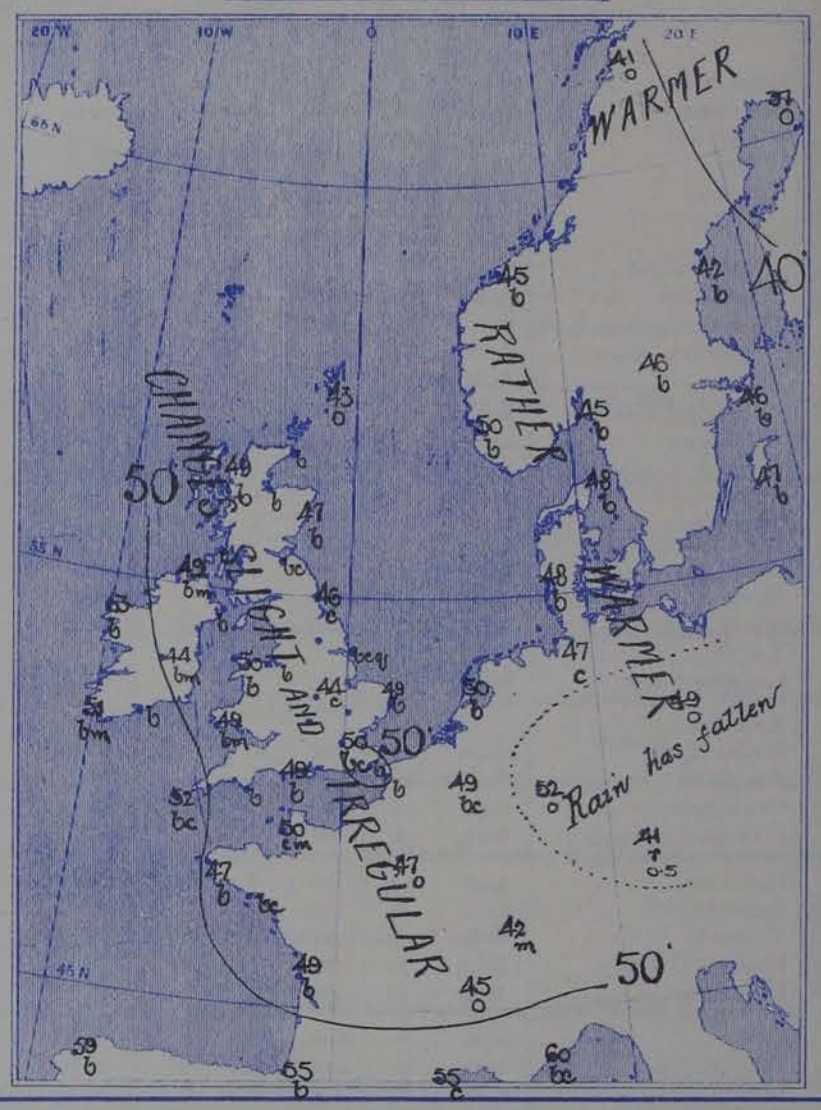
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·6 ins. and upwards over the central parts of Sweden; 30·2 ins. and upwards in an anticyclone embracing the whole of Northern Europe.
Lowest, 29·9 ins. and less, in the extreme south of France.
Gradients slight generally, but moderate to rather steep over Denmark, North Germany and the southern parts of the North.
Barometer falling slightly in most places.

TEMPERATURE

Highest, 65° at Lisbon, 60° at Nice, and 55° at Bromitz; highest in our Islands 53° at Belmullet and Dungeness.
Lowest, (1) 37° at Haparanda, 41° at Bodö and Hernösand; (2) 41° at Munich and 42° at Belfort; (3) 43° at Lumbungh Head, and 44° at Langholm and Parsonstown.
The maxima registered over our Islands yesterday were somewhat higher than of late; at Parsonstown the thermometer rose to 60°, at Belmullet and Valencia to 61°, and in London to 62°.

WIND

Light from the E^ly in Denmark and the south of Scandinavia; moderate to fresh from the NE^ly or N^ly over North Germany the Netherlands, England, and the greater part of France, but light from the SW^ly in the extreme south of France.
E^ly or SE^ly in Ireland and Scotland, SW^ly in the west of Norway, and strong in force at Bodö; calm in the Gulf of Bothnia.

WEATHER

Fine over Western Europe as a whole, but dull in the north of Scandinavia and also in Germany and Central France, with rain at Munich.
Rain fell yesterday at most of the German stations, but in all other parts of our Islands the weather remained very dry.

SEA

Rather rough at Cape Gris Nez, and moderate on the east and southeast coasts of England, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 8TH MAY 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·56	54	46	W	2	b	1
Sumburgh Head	30·58	48	43	SE	1	o	2
Stornoway	30·49	53	49	S	3	b	3
Aberdeen	30·57	50	45	ESE	2	bc	1
Shields	30·54	48	44	NE	2	bc	3
Ardrossan							
Malin Head ...	30·45	52	49	E	4	b	3
Belmullet	30·43	61	51	WSW	1	b	*
Holyhead	30·47	52	45	NE	3	b	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·39	60	51	SE	3	bm	3
Scilly	30·35	53	46	E	5	b	3
Jersey	30·28	53	47	NE	5	b	4
Hurst Castle ...	30·37	58	50	E	2	b	2
Dungeness ...	30·34	54	52	NE	5	bc	4
North Foreland							
London (Westminster)	30·39	57	50	NE	3	c	*
Yarmouth ...	30·41	52	48	NE	4	b	4
Rochefort ...	30·06	70	59	E	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright over Western and northern Europe generally, but cloudy or dull in the central countries, with rain in several places. Dull also over the Spanish Peninsula and Southern Italy, with rain at Madrid. No important change occurring during day.

Temperature risen a little in most countries, but fallen in Spain and Italy. Morning readings highest 68° at Patras, 65° at Malta, 64° at Athens, and 63° at Barcelona, Oran, and Tunis; above 55° at most of the Mediterranean, Adriatic, and Spanish coast stations. Lowest (1) 32° at Archangel, 36° at Haparanda and 37° at Moscow; (2) 37° at Munich and 38° at Vienna; lowest in our Islands 45° at Nairn, Loughborough and Pembroke. Rising during day to between 55° and 60° in many parts of England and Ireland, and to 62° in London; exceeding 65° in the west and south of France, and reaching 73° at Lorient. Ground frost occurring in many parts of the United Kingdom at night.

Wind light to fresh from the NE. over Germany, Denmark, the south of Scandinavia, the Netherlands, England, the greater part of France and the Spanish Peninsula, SE. in Ireland and the north of Scotland. NW. or W. over Finland and the north of Scandinavia; variable over Central Russia. SW. or W. over Austria and South Germany; chiefly N. in Italy; variable in the extreme south of France. No decided change occurring over Western Europe during day.

Barometer highest 30·62 ins. at Christiansund; 30·1 ins. and upwards in an anticyclone embracing the whole of nathern and northwestern Europe. Lowest 29·8 ins. and less, in two depressions,—one lying over northern Austria and the other over Tunis; 30·0 ins. and less, in another disturbance over the extreme north of Russia. Slight fall of barometer taking place over Western Europe during day, but general distribution of pressure remaining unchanged.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday 8th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	30·33	39	SW	2	0	30·28	− ·17	43	39	+ 6	2	0	b	*	0	*	43	25	—
	Hernösand ...	30·47	44	2	0	b	30·43	− ·19	49	41	+ 7	SSW	2	b	*	b	*	52	27	—
	Stockholm ...	30·52	43	2	0	b	30·48	− ·11	50	44	+ 4	ESE	2	b	*	b	*	55	32	—
	Wisby	30·46	45	ESE	4	b	30·41	− ·12	51	44	+ 4	ESE	4	b	*	b	*	55	30	—
	Karlstad ...	30·47	52	N	2	b	30·46	− ·15	47	41	+ 1	NE	2	bc	*	b	*	*	*	—
	Bodö	30·50	41	? NNW	4	0	30·38	− ·18	43	40	+ 2	SSW	4	bc	2	0	*	45	36	—
	Christiansund ...	30·51	50	WNW	1	f	30·45	− ·12	41	40	− 4	WNW	1	f	2	f	*	54	41	—
	Skudesnaes ...	30·47	52	NNW	4	b	30·37	− ·19	54	45	+ 4	2	0	b	0	b	*	61	41	*
	Færder (Christiania Fjord)	30·45	53	E	1	b	30·43	− ·15	47	44	+ 2	NNE	2	bc	1	b	*	55	45	—
	Skagen (The Scaw)	30·41	50	NE	2	b	30·36	− ·19	48	44	0	E	2	bc	0	b	*	59	45	—
	Fanö	30·30	51	ENE	2	b	30·20	− ·25	50	46	+ 2	ENE	4	bc	*	b	*	70	45	—
	Sumburgh Head	30·44	46	S	2	b	30·36	− ·16	48	46	+ 5	SE	2	b	3	b	*	49	37	—
	Stornoway ...	30·37	56	ESE	2	b	30·30	− ·15	52	49	+ 3	2	0	b	0	bc, b	13·6	60	36	—
	Wick	30·41	46	S	2	b	30·32	− ·17	48	44	+ 2	S	2	b	1	b	*	51	43	—
	Nairn	30·37	55	2	0	b	30·31	− ·17	48	45	+ 3	2	0	b	0	b	*	55	32	—
	Aberdeen ...	30·46	45	SSE	2	b	30·35	− ·18	51	45	+ 4	E	2	bw	1	b, m	13·1	51	33	—
BRITISH ISLANDS	Leith	30·42	51	ENE	2	b	30·35	− ·16	47	44	− 3	ENE	1	bc	*	b	*	53	35	—
	Shields	30·43	47	NNE	2	b	30·32	− ·19	42	42	− 4	N	3	0	3	b	*	49	37	—
	Spurn Head ...	30·34	49	NNE	5	b	30·21	− ·24	48	46	+ 1	N	5	bv	4	b	*	52	44	—
	York														*					
	Loughborough ...	30·34	57	NNE	4	b	30·24	− ·21	50	45	+ 6	NNE	3	bw	*	c, bc, bv	*	60	36	—
	Ardrossan ...																*			
	Malin Head ...	30·34	50	SE	4	b	30·26	− ·16	53	48	+ 4	SSE	2	bm	1	b	*	53	46	—
	Belmullet ...	30·35	56	WSW	1	b	30·23	− ·17	54	48	+ 1	SSE	1	b	*	b	*	59	42	—
	Donaghadee ...	30·40	53	E	2	b	30·32	− ·16	51	47	+ 6	NE	2	b	3	b	*	54	38	—
	Liverpool (Bidston)	30·34	53	N	2	bm	30·27	− ·20	51	45	+ 1	NNE	1	b	?	bm	*	59	40	—
	Holyhead ...	30·36	49	NNE	2	bm	30·26	− ·18	51	47	+ 1	NE	3	b	2	bm	*	55	43	—
	Parsonstown ...	30·31	60	SE	1	bc	30·26	− ·17	47	43	+ 3	W	1	bm	*	bc	11·7	63	33	—
	Valencia ...	30·29	56	SE	4	b	30·18	− ·20	56	48	+ 5	E	1	bm	3	bm	13·8	60	38	—
	Roche's Point ..	30·35	52	SE	3	b	30·22	− ·18	55	51	+ 3	ESE	4	bm	3	b	*	55	40	—
	Pembroke (St. Ann's Hd.)	30·30	53	E	2	b	30·20	− ·20	53	49	+ 4	ENE	3	b	2	b	13·5	54	44	—
	Scilly	30·31	54	NE	3	bc	30·14	− ·19	54	50	+ 2	NE	3	bc	2	bc	13·7	56	48	—
	Prawle Point ...	30·25	57	NE	3	b	30·14	− ·20	53	48	+ 4	NE	5	b	4	b	*	59	43	—
	Jersey (St. Aubin's)	30·21	58	NNE	4	bm	30·08	− ·21	52	49	+ 2	NE	4	bcm	3	bc, bm	*	58	47	—
	Hurst Castle ...	30·22	59	NNE	3	cm	30·12	− ·22	53	49	+ 4	NNE	4	bm	3	cm	*	61	44	—
	Dungeness ...	30·16	56	NNE	5	c	30·04	− ·22	54	53	+ 1	NNE	5	b	4	bc, c	*	58	45	—
	North Foreland																*			
	London (Brixton) ...	30·26	60	NE	3	bc	30·13	− ·24	55	48	+ 5	NE	2	bc	*	bc, b	11·5	64	44	—
	Oxford	30·29	50	NE	4	b	30·18	− ·22	51	48	+ 4	N	3	b	*	b	*	60	45	—
	Cambridge ...														*					
	Yarmouth ...	30·28	50	NNE	4	bc	30·12	− ·25	50	47	+ 1	N	4	bc	4	bc	*	53	45	—
GERMANY & HOLLAND	Cuxhaven ...	30·19	56	ENE	5	b	30·06	− ·23	46	46	− 1	E	5	0	*	b, p	*	57	45	0·08
	Berlin	30·66	51	NE	4	r	30·05	− ·05	51	48	+ 2	SE	2	b	*	r	*	59	46	0·12
	Wiesbaden ...	*	*	*	*	*	29·94	− ·15	53	49	+ 3	N	2	0	*	*	*	55	46	—
	Munich	30·00	46	2	0	0	29·97	− ·07	45	45	+ 4	E	4	0	*	0	*	50	37	0·04
	The Helder ...	30·21	51	NE	4	b	30·03	− ·27	49	47	− 1	NE	5	r	3	b	*	52	49	—
BELGIUM	Brussels ...	*	*	*	*	*	30·00	− ·21	46	44	− 3	NNE	2	0	*	0	*	62	45	—
	Cape Gris Nez ...	30·15	49	ENE	6	c	30·04	− ·20	51	49	+ 2	ENE	4	bc	4	c	*	55	45	—
	Paris	30·04	57	NNE	4	r	29·98	− ·18	51	48	+ 4	N	3	m	*	r	*	59	47	0·04
	Brest	30·19	55	NE	3	b	30·10	− ·15	49	47	+ 2	NE	2	b	2	b	*	61	43	—
	Lorient	30·13	57	NE	5	bc	30·03	− ·19	50	47	+ 2	NNE	5	bc	3	bc	*	73	46	—
FRANCE	Rochefort ...	30·02	57	NE	3	0	29·96	− ·12	52	50	+ 3	N	3	r	*	0	*	66	46	0·12
	Belfort	29·95	47	ENE	6	m	29·84	− ·20	46	45	+ 4	ENE	2	m	*	m	*	53	42	—
	Lyons	29·93	57	NW	2	b	29·91	− ·15	48	47	+ 3	N	1	0	*	b	*	60	45	—
	Nice	29·84	58	WSW	2	bc	29·85	− ·03	56	49	− 4	2	0	0	0	bc	*	68	52	—
	Perpignan ...	29·86	68	N	3	c	29·91	− ·04	57	50	+ 2	NW	3	m	*	c	*	73	55	—
	Biarritz ...	29·98	59	N	5	b	29·94	− ·04	55	53	0	N	2	0	2	b	*	63	52	0·20
PENINSULA	Corunna ...																*			
	Lisbon	29·99	61	NNW	4	b	30·00	+ ·03	63	58	− 2	WSW	2	bc	*	b	*	73	57	—
	Azores (P. Delgada)	30·10	62	WNW	3	b	30·19	+ ·05	60	53	− 3	NNW	4	b	3	b	*	68	57	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

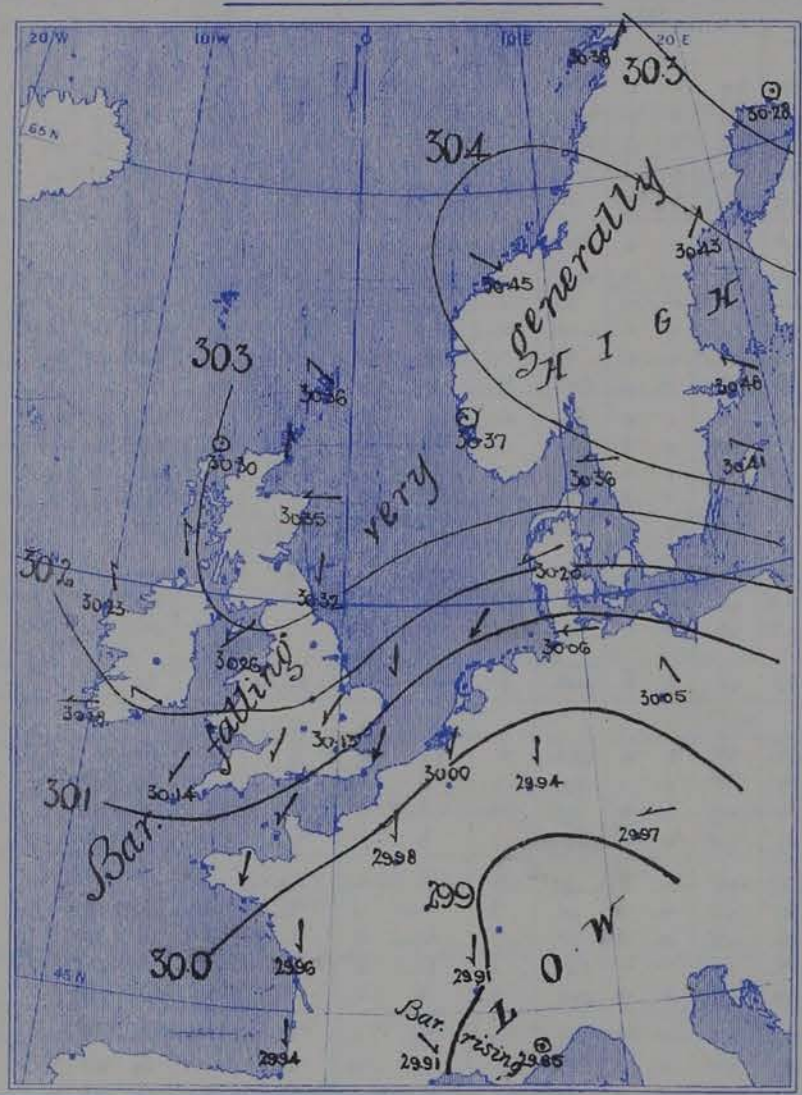
Bright Sunshine yesterday Southport 14·1 *hrs;*

WEATHER CHARTS

FOR *Monday, 8th May, 1899.*

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MAY.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29·956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29·941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29·984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards over the central and S.rn parts of Scandinavia, 30.1 ins. and upwards in an anticyclone embracing the greater part of NW.rn Europe.
Lowest 29.9 ins. and less in a shallow depression over the east and southeast of France.
Gradients slight generally, but moderate over the southern parts of the North Sea.
Barometer falling generally, but rising a little in the extreme S. of France, & also at Lisbon.

TEMPERATURE

Highest (1) 63° at Lisbon, 57° at Perpignan, 56° at Nice; (2) 56° at Valencia (Ireland), and 55° at Roche's Point and in London.
Lowest (1) 41° at Christiansund, 42° at Shields, 43° at Bodö and Haparanda; (2) 45° at Munich, and 46° at Brussels and Belfort.
During yesterday the thermometer rose to 60° and upwards at several of our central and S.rn stations, as well as at Stornoway, and to 64° in London.

WIND

Light to fresh from the E.rly over Denmark, N. Germany and the south of Scandinavia, and from the NE.rly or N.rly over England, France and the Netherlands.
Light from the S.rly or SE.rly on our own extreme north and northwest coasts, SW.ly or W.ly over the northern parts of Scandinavia.

WEATHER

Fine over the whole of our Islands and the N. of France, as well as in Scandinavia and Denmark.
Dull over Germany, the Netherlands and the central and southern parts of France, with rain at the Helder and Rochefort.
A little rain fell yesterday in several parts of France and Germany; elsewhere the weather has remained very dry.

SEA

Moderate on some of the more exposed parts of our E.rn and S.rn coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone appears to be gradually breaking up, and the low pressure system over France is inclined to spread N.wds. Less settled weather is likely to set in shortly over our E.rn and S.rn districts.

FORECASTS

For the 24 hours ending at NOON on 9TH MAY 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE.ly and S.ly winds, light; fine generally.
1 SCOTLAND EAST	E.ly and NE.ly winds, light; fine generally.
2 ENGLAND N.E.	N.ly to NE.ly winds, moderate; cloudy, some showers.
3 ENGLAND EAST	N.ly and NE.ly winds, moderate; fair at first, cloudy later; probably some rain.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as No. 1.
7 ENGLAND N.W.	
8 ENGLAND S.W.	NE.ly winds, moderate or fresh; fair generally.
9 IRELAND NORTH	E.ly or SE.ly winds, light; fine generally.
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·32	61	49	W	2	b	1
Sumburgh Head							
Stornoway	30·41	58	52	SSE	2	bc	2
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·38	51	49	SE	5	b	3
Belmullet	30·37	57	50	WSW	1	b	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·26	56	51	NNE	4	bc	3
Hurst Castle ...							
Dungeness ...	30·19	58	54	NE	5	bc	4
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·04	62	54	NE	4	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 30TH APRIL TO 6TH MAY.

At the beginning of the week the depression which had previously crossed our Islands moved away eastwards to the Baltic and eventually northeastwards to Nrn. Russia, while an anticyclone advanced over Wrn. Europe from the Atlantic. The latter system soon moved on, however, to the Continent and on the 1st of May a shallow depression advanced in an ESE.ly direction across the more Nrn. parts of the United Kingdom, the disturbance occasioning a little rain in most districts, but no material increase in the strength of the wind.

On the 2nd the depression moved SEward to central Europe and for the remainder of the week the weather in all the more Wrn. and Nrn. countries was influenced by a large anticyclone which spread over from the Nward. NEly (Nly to Ely) winds and fine weather were therefore experienced very generally, but temperature was low for the time of year, with sharp night frosts in several parts of Gt. Britain.

Over central Europe the weather was affected for a time by the depression already noticed, while in the S. the conditions were influenced by disturbances forming over various parts of the Mediterranean. In Germany, Nrn. Italy and the S. of France rain was in fact somewhat frequent, and in S. Germany snow was experienced towards the close of the week. On the 5th an offshoot from one of the Mediterranean depressions moved Nwds. over Austria & occasioned heavy rain in several parts of that country.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 9th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·16	37	WSW	2	0	30·04	− ·24	43	39	0	WSW	2	0	*	0	*	50	27	—
	Hernösand ...	30·30	44	2	0	b	30·21	− ·22	48	41	− 1	2	0	b	*	b	*	63	30	—
	Stockholm ...	30·37	45	2	0	b	30·29	− ·19	55	47	+ 5	NE	2	b	*	b	*	59	32	—
	Wisby	30·30	46	SE	4	b	30·23	− ·18	59	50	+ 8	SE	4	b	*	b	*	61	36	—
	Karlstad ..	30·29	56	ENE	2	b	30·26	− ·20	52	44	+ 5	NE	2	b	*	b	*	*	*	—
	Bodö	30·27	42	SW	6	0	30·15	− ·23	42	39	− 1	SW	6	0	4	0	*	43	37	—
	Christiansund ...	30·33	43	WNW	2	b	30·24	− ·21	40	39	− 1	E	1	f	2	b	*	48	37	—
	Skudesnaes ...	30·23	58	N	2	b	30·19	− ·18	57	49	+ 3	ENE	2	b	1	b	*	66	43	*
	Færder (Christiania Fjord)	30·27	56	ENE	1	b	30·23	− ·20	49	44	+ 2	NNE	4	b	2	b	*	56	46	—
	Skagen (The Scaw)	30·20	53	E	3	bc	30·16	− ·20	49	47	+ 1	E	3	r	0	bc	*	61	48	0·04
	Fanö	30·06	54	ESE	6	c	30·00	− ·20	52	51	+ 2	E	4	0	*	c	*	64	50	0·08
BRITISH ISLANDS.	Sumburgh Head	30·27	49	E	1	b	30·20	− ·16	50	44	+ 2	ENE	1	b	3	b	*	53	39	—
	Stornoway ..	30·19	57	ENE	3	b	30·14	− ·16	54	49	+ 2	ENE	2	b	2	b	14·0	61	38	—
	Wick	30·23	48	S	1	b	30·18	− ·14	52	48	+ 4	SE	1	b	1	b	*	55	30	—
	Nairn	? 30·26	59	E	1	b	30·17	− ·14	50	46	+ 2	E	1	b	1	b	*	59	31	—
	Aberdeen ...	30·24	49	NE	3	b	30·13	− ·22	51	44	0	NE	3	c	3	b	15·2	55	38	—
	Leith	30·20	55	E	3	b	30·09	− ·26	47	45	0	NE	2	r	*	b	*	56	42	0·01
	Shields	30·16	48	N	3	bc	29·99	− ·33	46	46	+ 4	N	3	r	3	b, bc	*	51	41	0·07
	Spurn Head ...	30·03	47	N	5	r	29·90	− ·31	47	46	− 1	ENE	4	fp	4	r	*	53	45	0·28
	York														*					
	Loughborough ..	30·04	56	NE	4	c	29·90	− ·34	47	46	− 3	NNW	2	ofp	*	bc, c, of	*	63	45	0·08
	Ardrossan ...																*			
	Malin Head ...	30·16	50	ESE	4	b	30·07	− ·19	53	49	0	E	2	b	1	b	*	53	46	—
	Belmullet ...	30·11	59	NNW	1	b	30·08	− ·15	55	49	+ 1	ENE	1	b	*	b	*	64	45	—
	Donaghadee ...	30·14	57	NNE	2	b	30·04	− ·28	48	47	− 3	NNE	3	bp	3	b	*	58	45	—
	Liverpool (Bidston)	30·08	54	NNW	2	b	29·96	− ·31	50	47	− 1	N	1	0	1	b	*	61	41	—
	Holyhead ...	30·09	51	NE	3	bc	29·98	− ·28	51	48	0	NE	2	cm	1	b, bc	*	52	45	—
	Parsonstown ...	30·07	63	SE	1	b	30·05	− ·21	51	45	+ 4	E	1	b	*	b	12·6	66	36	—
	Valencia ...	30·06	62	S	1	b	30·00	− ·18	54	50	− 2	2	0	bcm	2	bm, b	14·5	63	39	—
	Roche's Point ..	30·10	54	SE	3	b	29·97	− ·25	52	49	− 3	NNE	2	b	2	b	*	56	45	—
	Pembroke (St. Ann's Hd.)	30·03	57	NE	4	b	29·95	− ·25	? 47	? 46	− 6	ENE	2	ogp	2	b	14·0	62	45	0·02
	Scilly	30·03	55	NNE	2	b	29·91	− ·23	53	51	− 1	N	2	bw	2	b	13·7	58	50	—
	Prawle Point	29·99	57	N	2	c	29·91	− ·23	50	47	− 3	ENE	3	c	2	c	*	66	44	—
	Jersey (St. Aubin's)	29·97	60	N	3	b	29·90	− ·18	53	50	+ 1	NE	3	0	3	bm	*	62	48	—
	Hurst Castle ...	29·94	61	NNE	4	bc	29·89	− ·23	51	48	− 2	NNE	2	cm	2	c, bc	*	66	47	—
	Dungeness ...	? 29·91	51	NNE	4	c	29·83	− ·21	50	49	− 4	NNW	2	c	2	bc, c	*	62	46	0·01
	North Foreland																*			
	London (Brixton) ...	29·94	59	NNE	2	bc	29·88	− ·25	48	46	− 7	NW	1	og	*	bc, odp, o	8·3	64	47	0·01
	Oxford	29·98	52	NNW	4	bc	29·89	− ·29	46	45	− 5	NNW	2	r	*	bc, o	*	65	46	0·02
	Cambridge ...														*					
	Yarmouth ...	29·95	48	NNE	5	og	29·84	− ·28	49	48	− 1	NE	3	cg	4	c, p, og	*	53	46	0·21
GERMANY & HOLLAND.	Cuxhaven ...	29·96	54	ENE	4	b	29·92	− ·14	48	48	+ 2	E	2	f	*	b	*	55	46	0·04
	Berlin	29·95	58	E	2	b	29·86	− ·19	57	56	+ 6	E	1	0	*	b	*	68	51	—
	Wiesbaden ...	*	*	*	*	*	29·80	− ·14	53	52	0	E	3	bc	*	*	*	54	46	—
	Munich	29·82	53	SE	2	c	29·78	− ·19	49	48	+ 4	WNW	2	0	*	c	*	59	43	—
	The Helder ...	29·90	50	ENE	2	c	29·85	− ·18	48	48	− 1	ENE	2	f	? 1	c	*	52	34	0·20
BELGIUM.	Brussels ...	*	*	*	*	*	29·84	− ·16	51	50	+ 5	WNW	1	f	*	r	*	57	44	0·04
	Cape Gris Nez	29·89	48	NE	5	r	29·82	− ·22	49	47	− 2	NE	1	bc	1	r	*	55	45	0·04
	Paris ...	29·86	55	N	3	0	29·87	− ·11	50	48	− 1	N	2	m	*	0	*	62	49	—
	Brest ...	29·99	57	NNE	2	b	29·89	− ·21	51	50	+ 2	N	1	b	1	b	*	63	45	—
	Lorient	29·94	59	NE	3	bc	29·89	− ·14	54	50	+ 4	NNE	2	b	2	bc	*	72	46	—
FRANCE &	Rochefort ...	29·87	56	NW	2	r	29·88	− ·08	54	52	+ 2	ENE	1	b	*	r	*	63	48	0·08
	Belfort ..	29·77	55	ENE	2	c	29·84	·00	46	45	0	SW	1	m	*	c	*	62	42	—
	Lyons ...	29·80	58	ESE	1	0	29·84	− ·07	51	49	+ 3	N	1	0	*	0	*	64	48	0·04
	Nice																*			
	Perpignan ...	29·84	59	SW	2	0	29·91	·00	58	52	+ 1	W	2	b	*	0	*	68	51	—
	Biarritz ...	29·89	57	WNW	4	0	29·82	− ·12	56	53	+ 1	SSW	2	c	2	0	*	57	52	0·16
PENINSULA.	Corunna ...																*			
	Lisbon	29·97	60	WNW	4	bc	29·92	− ·08	61	57	− 2	WNW	2	c	*	bc	*	72	57	—
	Azores (P. Delgada)	30·27	58	NNW	3	b	30·24	+ ·05	58	53	− 2	N	3	0	2	b	*	66	55	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

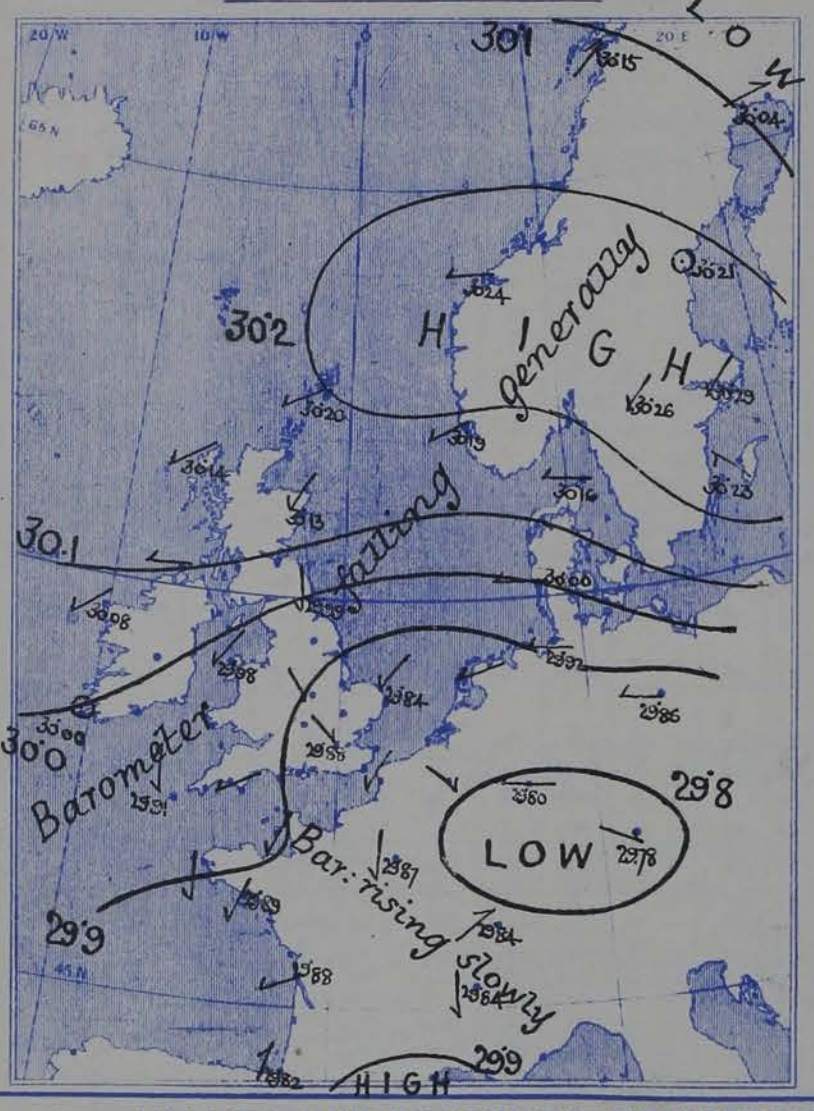
Bright Sunshine yesterday Southport 13·5 *hrs;*

WEATHER CHARTS

FOR Tuesday, 9th May, 1899.

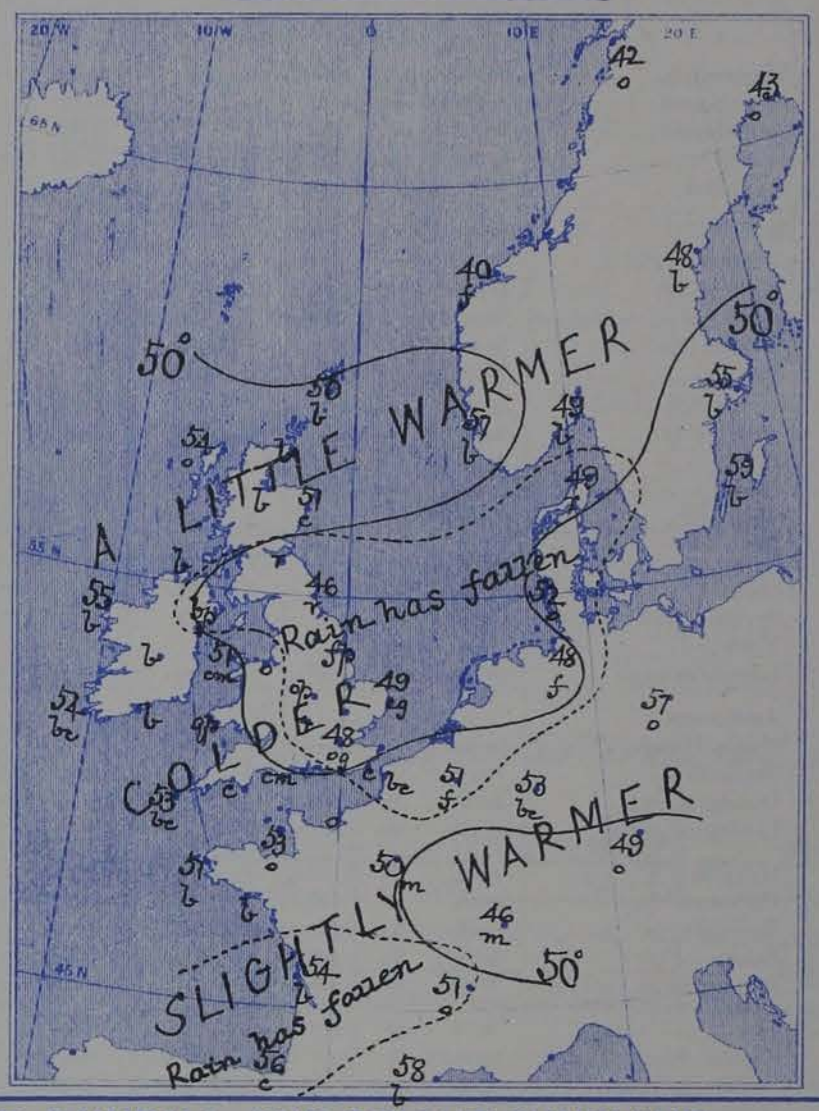
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; Force 5 to 7 ; Force 8 to 10 ; Force 1 to 4 ; Calm ⊙
SEA—Rough High



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 9	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69		—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48		—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66		—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and more to 30.1 ins. in an anticyclone covering Scandinavia and Scotland.
Lowest 29.8 ins. and less to 29.9 ins. in a large shallow and complex depression covering Germany, France and the SE. of our Islands.
Gradients moderate to slight.
Barometer falling generally.

TEMPERATURE

Highest 53° at Belmullet, 54° at Stornoway and Valencia, 53° at Jersey, and above 50° at our western and northern stations generally.
Lowest 43° at Haparanda, 46° to 48° at our eastern stations generally.
It rose during yesterday to between 63° and 66° in many parts of England, to 62° at Paris, 68° at Berlin, and 72° at Lorient.

WIND

Moderate to light from between E. and N. in most places, but from NW. over central England.
In S. Germany and the southeast of France it was W.ly, very light.
It was strong and squally from NE. over our eastern counties yesterday.

WEATHER

Still fine and bright in Scandinavia, Scotland and Ireland, but had become dull over England, France and Germany, with slight showers in places.
The rainfall during the past day has been considerable at Spurn Hd. and Yarmouth, slight and showerlike elsewhere.
Bright Sunshine recorded yesterday was very considerable.

SEA

Smooth or slight in most places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Changeable and slightly showery weather is probable except in the extreme west and north.

FORECASTS

For the 24 hours ending at NOON on 10TH MAY 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	NE.ly and E.ly winds, light; some showers.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	N.ly (NW. to NE) breezes, light to moderate, cloudy, slight rain occasionally.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	N.ly breezes, light, some passing showers.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·30	66	52	NNW	2	b	1
Sumburgh Head	30·33	51	47	SE	1	b	3
Stornoway	30·24	59	52	SSE	2	b	2
Aberdeen	30·28	51	45	E	2	b	1
Shields	30·21	49	46	N	3	b	3
Ardrossan							
Malin Head ...	30·20	53	49	ESE	4	b	2
Belmullet	30·17	64	55	SSW	1	b	*
Holyhead	30·16	51	47	NNE	4	b	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·10	63	54	S	3	bm	3
Scilly	30·09	55	51	N	2	b	2
Jersey	30·02	59	53	NNE	3	bm	3
Hurst Castle ...	30·01	63	56	NNE	2	c	2
Dungeness ...	29·96	59	55	ENE	3	bc	3
North Foreland							
London (Westminster)	30·00	61	54	NE	5	bcq	*
Yarmouth ...	29·99	51	48	NNE	5	c	4
Rochefort ...	29·90	59	55	NNE	3	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning still fine and bright over N^rn Europe and the British Islands, dull and unsettled over central and southern Europe, rainy at the Helder. Rain later along our eastern coasts, and slight showers in many parts of France, the south and east of England and in Denmark. Solar halo at Spurn Head. Much sunshine in our southern and western districts.

Temperature in morning low over southern Europe. The highest readings were only a little above 60° on the Algerian and Tunisian coasts; 55° to 49° in the west and northwest of France, 56° to 53° in the west and south of our Islands, 54° at Skudesnaes. Lowest 36° at Archangel 39° at Ulleaborg, 43° at Haparanda and Bodö, 47° at Karlstad. Rising later to between 60° and 66° in many parts of our Islands to 62° at Paris, 68° at Berlin, and 72° at Lorient, falling again suddenly as the rain came on.

Wind E^ly over the Baltic and Denmark, NE^ly over Gt. Britain, N^ly over the Bay of Biscay; light and variable over the Mediterranean and southern Europe. Blowing strongly and in a gusty way in the east of England as the day advanced. Shifting to NE. (from SE. and S.) on our extreme west and northwest coasts.

Barometer highest 30.54 ins. at Moscow, 30.51 ins. at Helsingfors, and exceeding 30.3 ins. over northern Europe and Scotland. Lowest about 29.8 ins. over the Mediterranean, and below 29.9 ins. over the southeast of France. Gradients moderate over the North Sea, England, and the N. of France. Falling later over our Islands and France generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 10th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.97	44	S	0	c	30.01	-.03	46	42	+3	S	0	b	*	c	*	52	34	-
	Hernösand ...	30.12	44	S	0	b	30.10	-.11	46	40	-2	S	0	b	*	b	*	68	32	-
	Stockholm ...	30.15	52	S	0	b	30.07	-.22	59	50	+4	ESE	2	bc	*	b	*	66	30	-
	Wisby	30.10	55	ESE	4	bc	29.99	-.24	59	51	0	SSE	4	o	*	bc	*	68	41	-
	Karlstad ...	30.10	58	W	2	b	30.06	-.20	56	50	+4	NE	2	b	*	b	*	*	*	-
	Bodö	30.17	41	SW	6	r	30.08	-.07	41	40	-1	SW	5	r	3	r	*	43	39	0.24
	Christiansund ...	30.19	48	E	1	b	30.09	-.15	49	44	+9	ENE	3	b	2	b	*	49	37	-
	Skudesnaes ...	30.08	60	NE	2	o	30.01	-.18	61	50	+4	NE	4	b	1	o	*	68	48	*
	Færder (Christiania Fjord)	30.08	61	S	0	b	30.04	-.19	52	47	+3	N	4	b	2	b	*	61	48	-
	Skagen (The Scaw)	30.02	54	E	3	o	29.96	-.20	53	50	+4	ENE	3	o	0	o	*	63	46	0.04
	Fanö	29.89	53	ESE	2	c	29.84	-.16	56	53	+4	E	2	bc	*	c	*	57	52	-
	Sumburgh Head	30.13	50	ENE	2	b	30.05	-.15	46	44	-4	NE	3	o	3	b	*	52	44	-
	Stornoway ...	30.07	62	E	2	c	30.04	-.10	50	47	-4	ENE	4	c	4	b,c	13.7	64	44	-
	Wick	30.12	50	ESE	2	b	30.05	-.13	48	45	-4	NE	3	o	3	b	*	54	44	-
	Nairn	30.10	51	E	2	bc	30.02	-.15	48	47	-2	W	1	bc	1	bc	*	55	45	-
	Aberdeen ...	30.07	47	NNE	3	ogr	29.97	-.16	49	47	-2	N	3	ogp	3	cg.rg	0.5	54	46	0.14
	Leith	30.00	47	ESE	3	r	29.94	-.15	47	47	0	ENE	1	r	*	r	*	50	44	0.38
	Shields	29.94	46	NE	1	f	29.91	-.08	47	47	+1	N	2	f	3	m.f	*	47	44	0.16
	Spurn Head ...	29.86	46	NE	4	o	29.90	.00	46	46	-1	N	3	ofa	1	of	*	48	44	0.01
	York														*					
	Loughborough ...	29.86	52	NE	2	c	29.92	+.02	45	44	-2	NNW	1	ogmap	*	op.cgm	*	56	44	0.23
BRITISH ISLANDS.	Ardrossan ...																*			
	Malin Head ...	29.99	50	N	4	r	29.94	-.13	48	48	-5	NE	1	or	1	o.r	*	53	48	0.15
	Belmullet ...	30.02	55	NNE	3	bc	29.97	-.11	52	51	-3	NE	3	o	*	bc	*	57	49	0.02
	Donaghadee ...	29.94	51	NE	3	bc	29.94	-.10	50	49	+2	NNE	2	cg	3	bc	*	51	43	0.01
	Liverpool (Bidston)	29.86	51	SE	1	o	29.92	-.04	49	47	-1	S	0	o	?	klp	*	55	47	0.49
	Holyhead ...	29.87	49	NNE	3	kmr	29.89	-.09	53	51	+2	NE	1	m	1	om.r.kl	*	53	46	0.51
	Parsonstown ...	29.93	52	N	1	r	29.91	-.14	50	48	-1	NW	1	o	*	c.r	6.5	59	47	0.01
	Valencia ...	29.93	61	N	3	bcm	29.91	-.09	52	49	-2	NNE	3	ogm	2	cm.bcm	3.2	62	49	0.03
	Roche's Point ..	29.90	54	SSW	3	c	29.87	-.10	50	49	-2	NNE	3	op	3	cp	*	56	48	0.12
	Pembroke (St. Ann's Hd.)	29.87	51	NE	3	o	29.88	-.07	50	49	+3	SE	2	o	2	bc.c	2.8	50	49	-
	Scilly	29.90	54	NE	4	b	29.84	-.07	51	49	-2	SSE	1	om	1	bc.b	11.9	60	48	-
	Prawle Point ...	29.87	49	SW	2	o	29.89	-.02	51	49	+1	SE	2	b	1	o	*	55	46	-
	Jersey (St. Aubin's)	29.87	55	NNW	3	bm	29.88	-.02	53	51	0	ENE	3	cm	3	c.bm	*	58	45	-
	Hurst Castle ...	29.87	54	WSW	1	bcm	29.90	+.01	52	49	+1	NE	1	bm	1	bc	*	56	38	-
	Dungeness ...	29.85	53	SW	2	b	?29.91	+.08	50	50	0	SSW	1	m	0	b	*	56	44	-
	North Foreland																*			
	London (Brixton) ...	29.84	58	NNW	1	bc	29.91	+.03	48	46	0	S	1	ogm	*	ogm.bw	0.3	59	41	-
	Oxford	29.88	52	S	0	o	29.92	+.03	50	47	+4	NNE	1	o	*	o.f	*	56	43	0.02
	Cambridge ...														*					
	Yarmouth ...	29.86	48	ENE	3	f	29.88	+.04	47	46	-2	NNW	3	cm	3	c.f	*	50	43	0.01
GERMANY & HOLLAND.	Cuxhaven ...	29.83	55	NNE	1	o	29.77	-.15	51	50	+3	NE	1	o	*	o	*	57	48	-
	Berlin	29.76	60	NE	2	c	29.71	-.15	60	58	+3	NW	1	o	*	c	*	64	57	0.04
	Wiesbaden ...	*	*	*	*	*	29.86	+.06	56	54	+3	SW	3	o	*	*	*	56	50	0.75
	Munich	29.82	50	W	4	r	29.92	+.14	51	49	+2	W	4	o	*	r	*	61	48	0.24
	The Helder ...	29.82	51	NE	2	f	29.84	-.01	48	47	0	N	1	m	1	f	*	55	46	-
BELGIUM.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	29.85	56	W	1	b	29.90	+.08	51	49	+2	SSW	1	m	0	b	*	54	45	-
	Paris	29.87	57	E	1	o	29.93	+.06	50	47	0	NNE	1	m	*	o	*	62	38	-
	Brest	29.85	58	N	2	b	29.86	-.03	46	45	-5	ENE	1	b	1	b	*	61	37	-
	Lorient	29.84	58	W	3	c	29.84	-.05	50	48	-4	E	2	bc	2	c	*	72	48	-
FRANCE &	Rochefort ...	29.80	61	NW	3	bc	29.80	-.08	55	52	+1	ENE	3	o	*	bc	*	68	50	-
	Belfort	29.78	58	W	2	o	29.90	+.06	54	54	+8	W	1	m	*	o	*	64	46	-
	Lyons	29.88	57	S	1	c	29.91	+.07	52	49	+1	ESE	1	b	*	c	*	63	42	0.20
	Nice	29.77	56	E	1	b	29.95		56	52		S	0	bc	1	b	*	66	48	0.04
	Perpignan ...	29.83	62	SE	2	bc	29.82	-.09	59	56	+1	N	1	o	*	bc	*	72	50	-
	Biarritz ...	29.76	60	NNE	4	o	29.76	-.06	59	58	+3	SW	2	c	2	o	*	66	55	0.39
PENINSULA.	Corunna ...																*			
	Lisbon	29.95	58	WSW	3	b	30.00	+.08	62	55	+1	W	4	c	*	b	*	64	55	0.12
	Azores (P. Delgada)	30.25	58	N	4	bc	30.21	-.03	58	54	0	NNE	3	o	2	bc	*	64	55	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 2.3 *hrs;*

WEATHER CHARTS

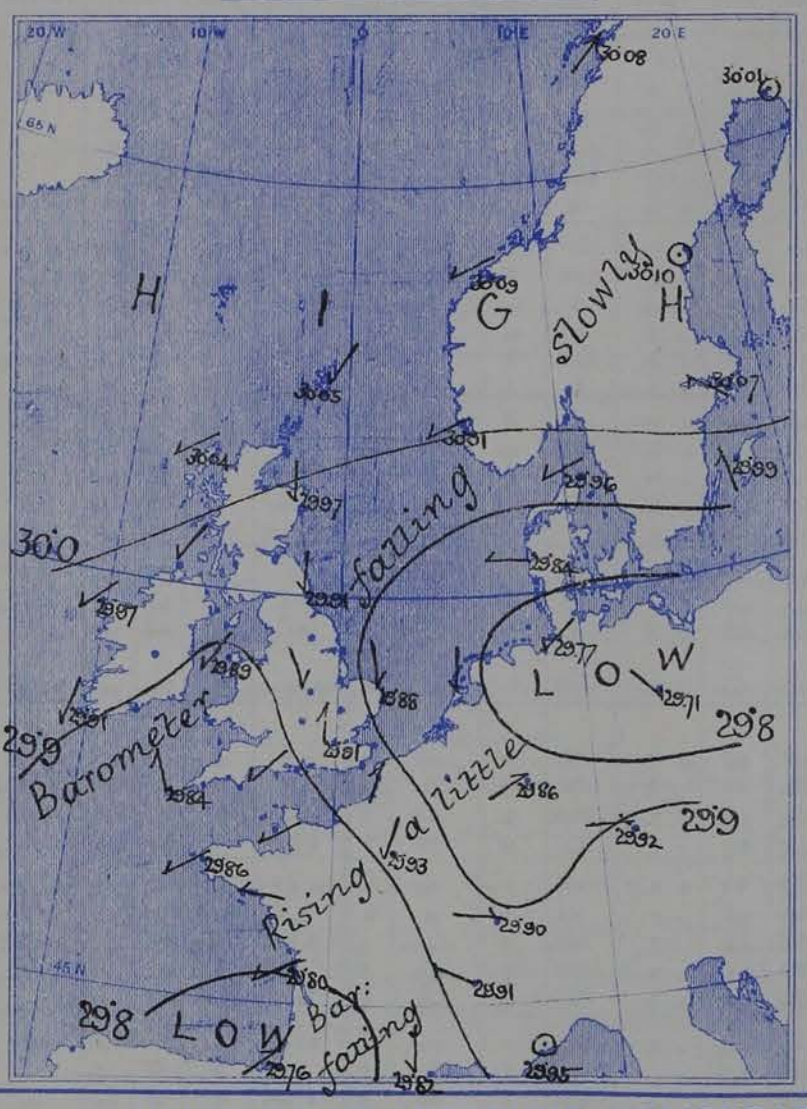
FOR Wednesday, 10th May, 1899.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙

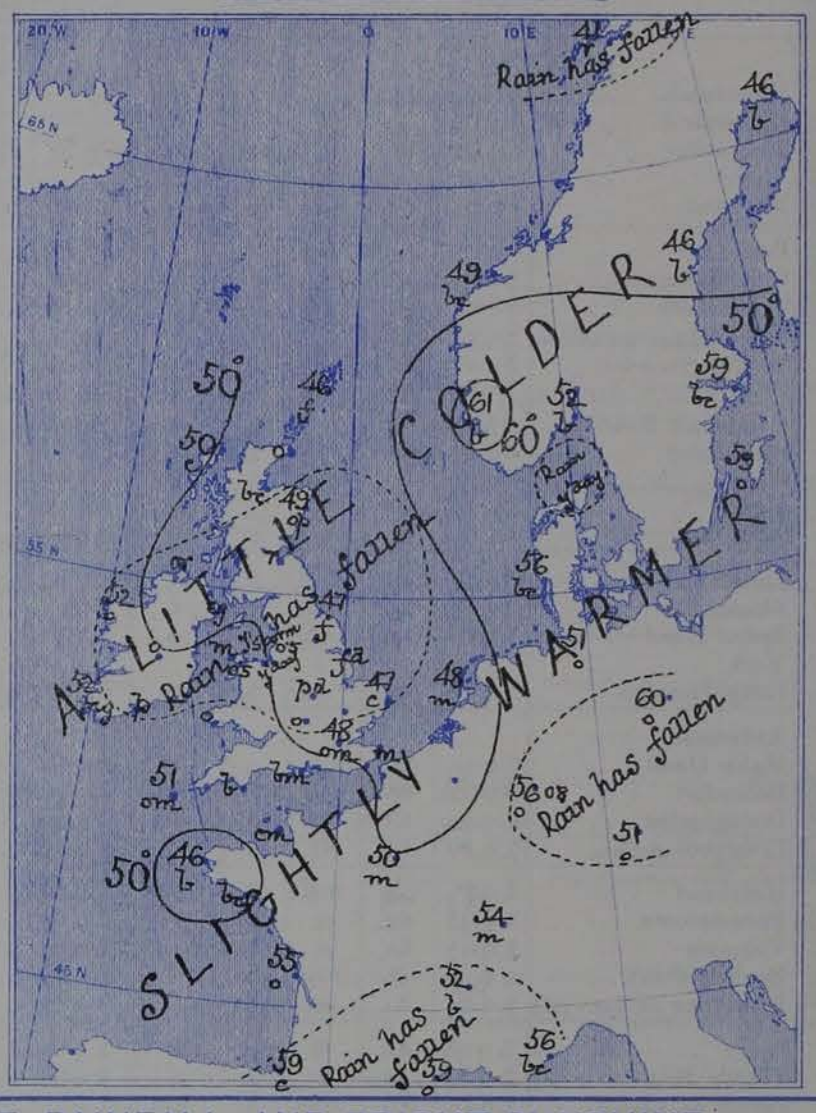
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. to 30.1 ins. over Scandinavia and the Nrn. parts of our Islands.
Lowest. Below 29.8 ins. (1) in a depression over the SW. of France; (2) in another over N. Germany; and below 29.9 ins. over the SW. of England.
Gradients slight and variable.
Barometer inclines to rise again at some French stations and in some parts of England.

TEMPERATURE

Highest 61° at Skudesnaes, 60° at Berlin, 59° at Wisby, 59° to 55° in the S. and SW. of France, 52° to 50° over the greater part of Ireland.
Lowest 41° at Bodö, 46° at Hernisand and Sumburgh Hd.; 45° at Loughborough, 46° to 47° along our NE. and E. coasts.
It rose during yesterday to 64° at Stornoway, 62° at Valencia; 64° at Berlin, 62° at Paris, 72° at Lorient and Nice.

WIND

Light from NE. and N. over Ireland, Scotland and most of Scandinavia, very variable over England, SWly. to Wly. over south Germany, SEly. to Ely. over France.

WEATHER

Fine in the English Channel, dull and gloomy over our Islands as a whole, with rain in places. Thunder occurred at Liverpool and Holyhead last night, and a considerable amount of rainfall.
Bright Sunshine amounted yesterday to 13.7 hrs. at Stornoway, to 11.9 hrs. at Scilly, and to about 6 hrs. on our SE. coast; In several places there was hardly any.

SEA

Smooth or slight except in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather is in an unstable condition generally.

FORECASTS

For the 24 hours ending at NOON on 11TH MAY 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	Varying NEly. and Nly. winds; slight local showers.	6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 0 to 2
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Variable airs and temperature, hazy, dull at times.	8 ENGLAND S.W.	Same as Nos. 3 to 5.
		9 IRELAND NORTH 10 IRELAND SOUTH	Same as Nos. 0 to 2.
		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·10	68	54	E	4	b	1
Sumburgh Head	30·19	51	45	ENE	2	b	3
Stornoway	30·10	64	54	ESE	3	bc	3
Aberdeen	30·09	52	47	NE	5	cq	4
Shields	29·96	46	46	NE	1	f	2
Ardrossan							
Malin Head ...	30·04	50	47	NNE	3	0	2
Belmullet	30·04	57	52	ENE	3	bc	*
Holyhead	29·91	49	48	NNE	3	om	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·95	62	51	NNE	4	cm	4
Scilly	29·90	58	53	SSE	1	bc	1
Jersey	29·88	56	52	w	3	c	3
Hurst Castle ...	29·87	52	49	SW	1	om	1
Dungeness ...	29·85	56	54	SW	2	b	1
North Foreland							
London (Westminster)	29·85	54	51	NW	1	0g	*
Yarmouth ...	29·85	49	48	ENE	3	c	4
Rochefort ...	29·84	64	58	NE	2	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental information not received

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS : For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Thursday 11th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	30·01	40	ENE	2	0	29·83	− ·18	41	37	− 5	ENE	2	c	*	0	*	52	37	—
	Hernösand ...	29·96	42	2	0	b	29·88	− ·22	53	44	+ 7	2	0	bc	*	b	*	59	32	—
	Stockholm ...	29·97	54	2	0	0	29·88	− ·19	56	45	− 3	NE	2	b	*	0	*	66	41	—
	Wisby	29·88	55	SSE	4	0	29·82	− ·17	50	46	− 9	E	4	c	*	0	*	68	46	—
	Karlstad ...	29·91	59	W	2	b	29·87	− ·19	55	49	− 1	N	2	b	*	b	*	*	*	—
	Bodö	29·95	39	SW	1	r	29·94	− ·14	39	36	− 2	N	4	0	2	r	*	41	36	0·43
	Christiansund ...	30·06	44	WNW	2	f	30·09	·00	48	43	− 1	WSW	3	f	3	f	*	55	39	—
	Skudesnaes ...	29·94	61	N	2	b	29·89	− ·12	55	50	− 6	N	2	b	1	b	*	72	46	*
	Færder (Christiania Fjord)	29·89	63	N	1	b	29·87	− ·17	54	48	+ 2	N	2	b	1	b	*	63	52	—
	Skagen (The Scaw)	29·86	55	NE	2	0	29·86	− ·10	54	51	+ 1	ENE	1	b	0	0	*	61	52	—
	Fanö	29·83	61	2	0	c	29·81	− ·03	61	57	+ 5	E	1	bc	*	c	*	75	55	—
	Sumburgh Head	30·02	49	NE	3	0	30·06	+ ·01	45	44	− 1	NE	3	0	4	0	*	52	42	—
	Stornoway ...	30·02	49	ENE	4	d	30·06	+ ·02	50	49	0	ENE	4	0	4	0, d	1·3	51	45	0·03
	Wick	30·00	46	NE	4	0	30·08	+ ·03	47	45	− 1	NE	3	0	3	0, b	*	54	43	0·02
	Nairn	30·00	49	E	2	c	30·07	+ ·05	49	46	+ 1	E	1	0	0	c	*	52	45	0·06
	Aberdeen ...	29·96	51	NE	2	og	30·02	+ ·05	52	48	+ 3	N	4	bcq	3	fog, og	0·0	52	46	0·01
BRITISH ISLANDS.	Leith	29·94	50	E	3	0	29·97	+ ·03	50	49	+ 3	2	0	0	*	0	*	51	45	0·22
	Shields	29·91	49	NNE	3	c	29·89	− ·02	47	47	0	N	3	r	3	0, c	*	52	45	0·17
	Spurn Head ...	29·89	48	N	3	0	29·88	− ·02	49	48	+ 3	NW	4	op	2	0, f	*	49	?	0·06
	York														*					
	Loughborough ...	29·91	51	NE	1	om	29·92	·00	53	51	+ 8	WNW	2	cmw	*	om	*	53	45	—
	Ardrossan ...																*			
	Malin Head ...	29·94	49	NNE	1	og	29·98	+ ·04	47	47	− 1	W	2	f	1	c, og	*	51	46	0·02
	Belmullet ...	29·96	52	NNE	3	0	30·02	+ ·05	52	50	0	NE	1	b	*	0	*	53	46	0·01
	Donaghadee ...	29·92	53	NNE	2	b	29·95	+ ·01	52	50	+ 2	NW	3	bcm	3	b	*	56	46	—
	Liverpool (Bidston)	29·89	52	N	1	bc	29·92	·00	52	49	+ 3	2	0	0	?	om, bc	*	58	46	0·01
	Holyhead ...	29·90	52	NE	1	b	29·93	+ ·04	52	51	− 1	NW	2	cm	1	om, b	*	53	46	—
	Parsonstown ...	29·89	54	SW	1	0	29·98	+ ·07	47	46	− 3	NW	1	0	*	op	0·1	58	37	0·25
	Valencia ...	29·90	51	NNE	3	p	29·98	+ ·07	54	50	+ 2	2	0	m	2	om, p	0·5	57	43	0·02
	Roche's Point ..	29·89	55	SSE	2	bc	29·96	+ ·09	51	50	+ 1	N	2	m	2	p, bc	*	56	47	0·08
	Pembroke (St. Ann's Hd.)	29·89	50	SW	2	r	29·92	+ ·04	51	50	+ 1	NNE	2	og	2	c, r	6·5	54	49	0·20
	Scilly	29·85	53	E	1	c	29·91	+ ·07	53	50	+ 2	N	1	c	4	om, c	0·4	55	48	0·12
	Prawle Point ...	29·86	51	SE	2	bc	29·90	+ ·01	52	50	+ 1	NE	2	c	1	bc	*	56	46	—
	Jersey (St. Aubin's)	29·82	62	SE	2	bcm	29·91	+ ·03	54	52	+ 1	WSW	4	bcm	3	bcm, gbl	*	66	48	—
	Hurst Castle ...	29·86	60	SSE	1	b	29·91	+ ·01	53	50	+ 1	NE	1	cm	1	b, f	*	60	45	—
	Dungeness ...	29·87	51	ESE	2	m	29·92	+ ·01	46	46	− 4	NNE	2	m	1	m, f	*	58	44	—
	North Foreland																*			
	London (Brixton) ...	29·88	55	ENE	2	b	29·93	+ ·02	47	46	− 1	2	0	0	*	gm, b	0·0	60	40	—
	Oxford	29·90	52	NE	1	b	29·94	+ ·02	47	47	− 3	2	0	fg	*	b	*	62	41	—
	Cambridge ...														*					
	Yarmouth ...	29·88	50	N	3	c	29·87	− ·01	52	50	+ 5	W	3	cm	3	c	*	52	45	—
GERMANY & HOLLAND.	Cuxhaven ...	29·75	55	W	1	0	29·77	·00	54	53	+ 3	N	1	0	*	0, r	*	61	50	0·43
	Berlin	29·69	57	W	2	r	29·72	+ ·01	53	52	− 7	W	2	r	*	r	*	61	52	1·65
	Wiesbaden ...	*	*	*	*	*	29·88	+ ·02	54	53	− 2	NW	2	b	*	*	*	66	46	—
	Munich... ..	29·89	56	2	0	b	29·91	− ·01	56	53	+ 5	2	0	c	*	b	*	66	45	—
	The Helder ...	29·84	48	WNW	2	0	29·82	− ·02	48	48	0	W	1	0	0	0	*	50	46	—
BELGIUM.	Brussels ...	*	*	*	*	*	29·93		43	43		NNW	1	f	*	b	*	64	40	—
	Cape Gris Nez...	29·88	50	E	2	m	29·90	·00	46	46	− 5	E	1	f	1	m	*	55	41	—
	Paris ...	29·85	64	NE	2	b	29·91	− ·02	55	50	+ 5	N	1	b	*	b	*	69	44	—
	Brest ...	29·87	54	NNW	1	bc	29·91	+ ·05	50	50	+ 4	WNW	3	c	3	bc	*	63	44	—
	Lorient... ...	29·87	57	WNW	4	b	29·95	+ ·11	53	50	+ 3	NW	3	bc	2	b	*	64	48	—
FRANCE &	Rochefort ...	29·82	58	NW	3	0	29·96	+ ·16	55	53	0	W	4	bc	*	0	*	61	50	—
	Belfort ...	29·85	57	SW	6	0	29·89	− ·01	51	50	− 3	SW	2	r	*	0	*	59	49	0·16
	Lyons ...	29·87	56	S	3	r	29·92	+ ·01	54	51	+ 2	S	2	0	*	rl	*	69	50	0·12
	Nice	29·95	57	SW	1	c	29·93	− ·02	59	53	+ 3	SW	1	b	1	c	*	64	52	—
	Perpignan ...	29·85	56	W	2	0	30·04	+ ·22	62	53	+ 3	NNW	2	b	*	0	*	75	50	0·51
	Biarritz ...	29·89	58	W	6	r	30·03	+ ·27	58	53	− 1	SW	4	b	4	tlr	*	63	54	0·04
PENINSULA.	Corunna ...																*			
	Lisbon	30·06	54	W	2	b	30·10	+ ·10	60	57	− 2	NE	3	bc	*	b	*	64	54	—
	Azores (P. Delgada)	30·21	59	NE	3	bc	30·17	− ·04	59	56	+ 1	NE	3	0	2	bc	*	68	57	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

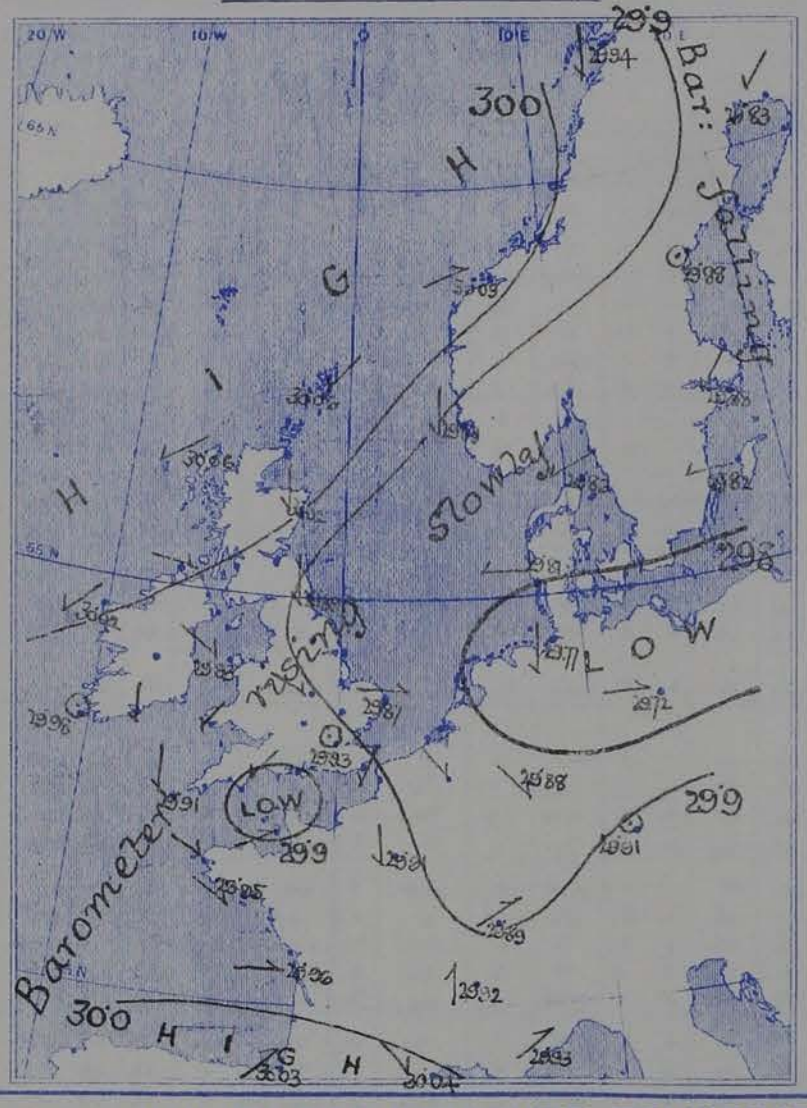
Bright Sunshine yesterday Southport 0·6 hrs;

WEATHER CHARTS

FOR Thursday, 11th May, 1899.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough High



TEMPERATURE & WEATHER.

TEMPERATURE Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29·956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29·941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	31*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29·984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·0	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41*
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and more (1) over Scotland, the N. of Ireland and the NW. of Norway; (2) over the Spanish Peninsula.
Lowest 29.8 ins. and less over the Baltic and N. Germany, and below 29.9 ins. in a small very shallow depression between Dorsetshire and Jersey.
Gradients slight.
Barometer rising a little in nearly all places – most in the SW. of France.

TEMPERATURE

Highest 55° to 62° in the SW and S. of France, 54° to 50° in the SW of our Islands, 55° at Paris, 53° at Berlin.
Lowest 45° at Dumbrugh Hd., 47° at Wick and Shields, 39° at Bodo.
The maxima recorded in our Islands exceeded 60° at some of our Sta. stations only, 66° was recorded at Jersey, 61° at Berlin, 69° at Paris, 75° at Perpignan.

WIND

Light and variable from NE. and N. in Ireland and Scotland, from NW. and W. over the Bay of Biscay, from W. and SW. over France and N. Germany. In England the wind is light and very variable.

WEATHER

Fair over most parts of our Islands, but cloudy or hazy in many places. Thunder and lightning occurred yesterday at Wick, Jersey, Lyons and Biarritz.
Bright sunshine recorded yesterday, varied from nearly 13 hrs. on our SE. coasts, and 6.5 hrs at Pembroke, to none at Aberdeen or in London.
Rainfall has been heavy in N. Germany.

SEA

Smooth or slight except in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No great change is indicated beyond a rise of temperature in many parts of England.

FORECASTS

For the 24 hours ending at NOON on 12TH MAY. 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	NE.ly to NW.ly winds, moderate; some showers.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Varying light winds; fair as a whole, hazy; slight occasional showers not improbable.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 0 to 2
8 ENGLAND S.W.	Same as Nos. 3 to 5.
9 IRELAND NORTH 10 IRELAND SOUTH	N.ly winds, light and variable, hazy.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to N.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.99	72	56	E	2	b	1
Sumburgh Head	30.04	50	47	NE	3	o	4
Stornoway ...	30.03	51	50	ENE	4	o	4
Aberdeen	29.97	49	47	N	4	opqs	4
Shields	29.92	51	49	NE	1	o	2
Ardrossan							
Malin Head ...	29.94	50	49	NE	2	c	1
Belmullet	29.96	53	51	NE	1	o	*
Holyhead	29.91	53	51	N	1	om	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F	WEA.	SEA.
Valencia	29.90	54	51	N	2	om	3
Scilly	29.85	51	48	ESE	3	om	0
Jersey	29.86	62	56	ESE	3	c	3
Hurst Castle ...	29.91	60	53	SSE	1	b	1
Dungeness ...	29.90	59	56	SE	1	m	0
North Foreland							
London (Westminster)	29.89	59	55	ENE	3	o	*
Yarmouth ...	29.88	49	48	NNE	3	c	3
Rochefort ...	29.82	60	57	SW	1	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental information not received

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS : For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Friday 12th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.87	35	N	8	o	30.07	+ .24	29	27	− 12	N	6	o	*	o	*	46	29	—
	Hernösand ...	29.92	48	N	4	bc	30.11	+ .23	39	32	− 14	NNW	6	bc	*	bc	*	61	30	—
	Stockholm ...	29.86	55	E	0	b	30.02	+ .14	43	37	− 13	NE	6	b	*	b	*	68	43	—
	Wisby	29.84	? 42	NE	4	b	29.97	+ .15	42	40	− 8	NNE	4	b	*	b	*	59	39	—
	Karlstad ...	29.86	58	NNE	2	b	30.03	+ .16	46	40	− 9	NE	4	b	*	b	*	*	*	—
	Bodö	30.08	37	N	6	c	30.21	+ .27	36	31	− 3	N	4	b	2	c	*	41	32	—
	Christiansund ...	30.14	42	NE	6	o	30.10	+ .01	42	36	− 6	E	4	b	3	o	*	48	37	—
	Skudesnaes ...	29.86	48	NW	4	m	29.92	+ .03	46	45	− 9	S	2	f	2	b,m	*	58	43	*
	Færder (Christiania Fjord)	29.85	58	N	4	b	30.02	+ .15	49	42	− 7	NNE	4	b	1	b	*	64	46	—
	Skagen (The Scaw)	29.85	55	N	1	b	29.98	+ .12	51	48	− 3	ENE	3	b	0	b	*	66	50	—
	Fanö	29.86	60	SW	1	c	29.92	+ .11	59	57	− 2	SW	1	b	*	c	*	77	55	—
	Sumburgh Head	30.06	46	NE	4	o	30.05	− .01	45	41	0	NE	3	o	5	o	*	48	42	—
	Stornoway ...	30.09	51	ENE	5	o	30.11	+ .05	47	45	− 3	ENE	3	o	3	o	4.0	55	43	—
	Wick	30.10	46	NE	3	o	30.08	.00	45	43	− 2	NE	3	o	2	o	*	53	43	0.01
	Nairn	30.08	49	E	1	o	30.10	+ .03	45	45	− 4	E	1	o	1	o	*	53	43	0.05
	Aberdeen ...	30.05	47	N	4	og	30.06	+ .04	45	43	− 7	N	4	ogq	4	bcq,oq	7.8	55	43	—
BRITISH ISLANDS.	Leith	30.00	50	E	2	o	30.06	+ .09	46	44	− 4	E	1	o	*	o	*	55	43	—
	Shields	29.95	45	N	2	r	30.00	+ .11	44	44	− 3	NNE	3	d	3	r	*	47	42	0.89
	Spurn Head ...	29.87	48	NW	4	r	29.97	+ .09	46	46	− 3	N	4	r	3	r,f	*	50	45	0.18
	York														*					
	Loughborough ...	29.90	55	NNE	2	o	29.97	+ .05	47	46	− 6	NNE	2	ogmd	*	bc,c,om	*	66	46	—
	Ardrossan ...																*			
	Malin Head ...	30.01	49	NNW	4	omr	30.02	+ .04	49	48	+ 2	E	1	cm	1	o,rm	*	51	47	0.03
	Belmullet ...	30.04	55	NE	3	bc	30.07	+ .05	51	50	− 1	NNE	3	o	*	c,bc	*	58	49	0.01
	Donaghadee ...	29.99	49	NNE	3	r	30.03	+ .08	47	46	− 5	NE	3	c	3	r	*	54	45	0.56
	Liverpool (Bidston)	29.91	50	W	2	o	29.96	+ .04	51	48	− 1	ESE	2	c	2	om	*	58	47	—
	Holyhead ...	29.94	49	NNE	3	om	29.95	+ .02	50	48	− 2	E	1	om	1	bo,om	*	53	47	—
	Parsonstown ...	29.95	59	N	1	o	30.01	+ .03	46	45	− 1	NW	1	r	*	c,o	3.4	62	37	0.03
	Valencia ...	30.01	54	NW	4	cm	30.02	+ .04	54	53	0	NNW	3	o	3	bm,cm	8.7	59	51	—
	Roche's Point ..	29.96	54	NNW	3	tlp	29.99	+ .03	51	49	0	N	3	o	3	tlp	*	56	50	0.56
	Pembroke (St. Ann's Hd.)	29.92	51	NNW	2	o	29.94	+ .02	49	48	− 2	NNE	2	b	2	o	0.2	56	45	0.12
	Scilly	29.93	54	W	3	c	29.94	+ .03	53	52	0	NNW	1	f	1	c,tl	5.7	57	51	0.15
	Prawle Point ...	29.92	51	WSW	3	c	29.94	+ .04	48	47	− 4	WSW	2	cg	1	c,pl	*	55	46	0.12
	Jersey (St. Aubin's)	29.95	58	WSW	3	bcm	29.98	+ .07	53	51	− 1	SW	3	cm	3	bcm,og	*	60	50	—
	Hurst Castle ...	29.92	52	SW	3	om	29.91	.00	53	51	0	SW	2	om	2	bcm,om,tl	*	60	50	—
	Dungeness ...	29.90	52	SW	3	f	29.97	+ .05	53	51	+ 7	WSW	3	bc	2	m,f	*	56	41	—
	North Foreland																*			
	London (Brixton) ...	29.88	62	SW	1	c	29.96	+ .03	54	50	+ 7	SSE	2	o	*	mg,bw	2.0	68	45	—
	Oxford	29.89	58	SSW	2	bc	29.95	+ .01	53	49	+ 6	SE	1	c	*	bcm,tl	*	67	47	—
	Cambridge ...														*					
	Yarmouth ...	29.87	53	E	2	bc	29.91	+ .04	51	50	− 1	W	2	c	3	bc	*	57	47	—
GERMANY & HOLLAND.	Cuxhaven ...	29.83	54	W	2	o	29.93	+ .16	52	51	− 2	W	1	o	*	o	*	57	50	—
	Berlin	29.78	54	WNW	3	r	29.89	+ .17	51	49	− 2	NNE	4	o	*	r	*	55	51	0.59
	Wiesbaden ...	*	*	*	*	*	30.01	+ .13	55	52	+ 1	W	1	c	*	*	*	68	48	0.04
	Munich... ...	29.96	54	W	5	o	30.06	+ .15	50	50	− 6	W	5	r	*	o	*	66	45	0.79
	The Helder ...	29.86	48	W	2	o	29.92	+ .10	52	50	+ 4	W	1	m	0	o	*	52	48	—
BELGIUM.	Brussels ...	*	*	*	*	*	30.00	+ .07	56	52	+ 13	WSW	1	c	*	b	*	63	43	—
	Cape Gris Nez...	29.92	55	SW	1	m	29.96	+ .06	52	50	+ 6	SW	1	m	1	m	*	61	43	—
	Paris	29.96	61	W	3	r	30.04	+ .13	52	49	− 3	SSW	2	bc	*	r	*	73	45	—
	Brest	29.97	55	NW	1	c	30.00	+ .09	52	50	+ 2	W	2	o	2	c	*	59	48	—
	Lorient... ...	30.00	57	NW	2	c	30.01	+ .06	53	50	0	E	0	c	2	c	*	64	50	—
FRANCE &	Rochefort ...	30.02	59	W	4	bc	30.04	+ .08	55	53	0	W	3	bc	*	bc	*	66	52	—
	Belfort	29.94	53	WSW	3	r	30.06	+ .17	50	50	− 1	WSW	1	o	*	r	*	64	49	0.24
	Lyons	30.03	59	W	1	r	30.10	+ .18	55	51	+ 1	N	1	b	*	r	*	59	46	0.12
	Nice	29.91	58	NE	5	c	29.99	+ .06	58	55	− 1	SE	1	b	3	c	*	70	50	—
	Perpignan ...	30.07	63	SW	2	o	30.10	+ .06	62	56	0	E	0	b	*	o	*	72	50	—
	Biarritz ...	30.05	61	NNW	3	b	30.03	.00	54	52	− 4	ENE	4	b	2	b	*	64	50	—
PENINSULA.	Corunna ...																*			
	Lisbon	30.09	59	N	4	b	30.04	− .06	62	55	+ 2	S	3	c	*	b	*	70	55	—
	Azores (P. Delgada)	30.21	58	NE	3	bc	30.15	− .02	60	55	+ 1	N	4	bc	3	bc	*	64	55	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0·0 *hrs;*

WEATHER CHARTS

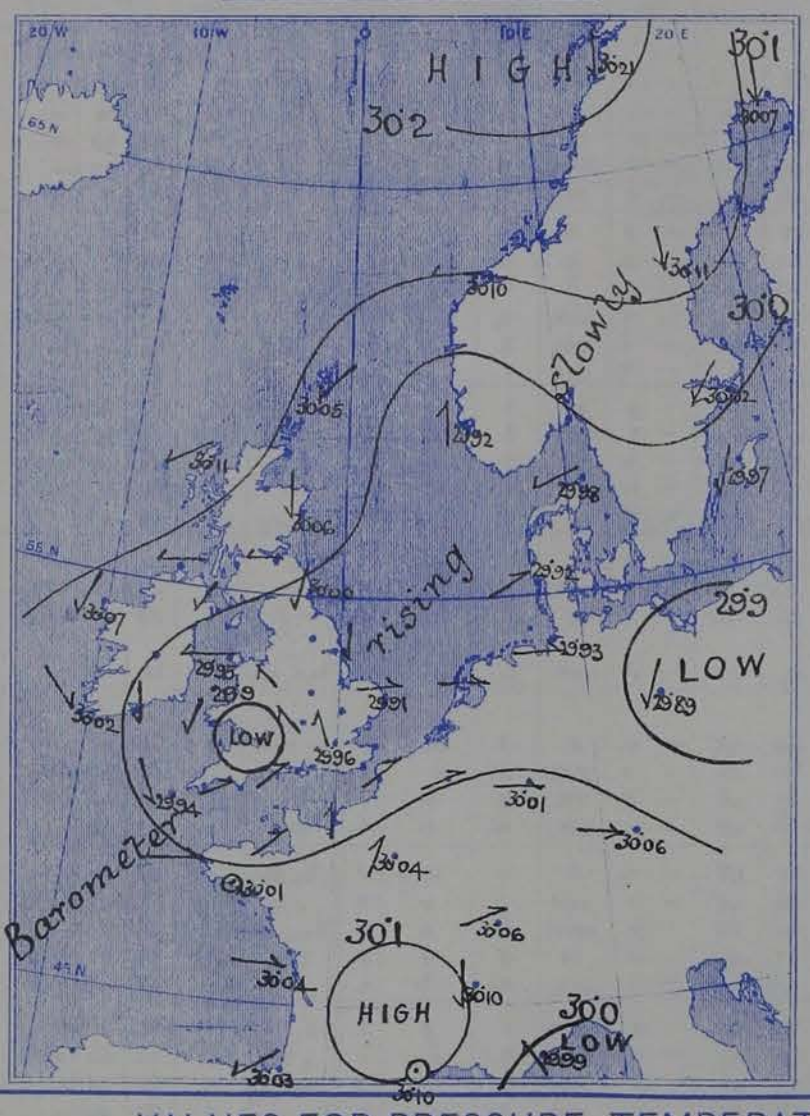
FOR Friday, 12th May, 1899.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙

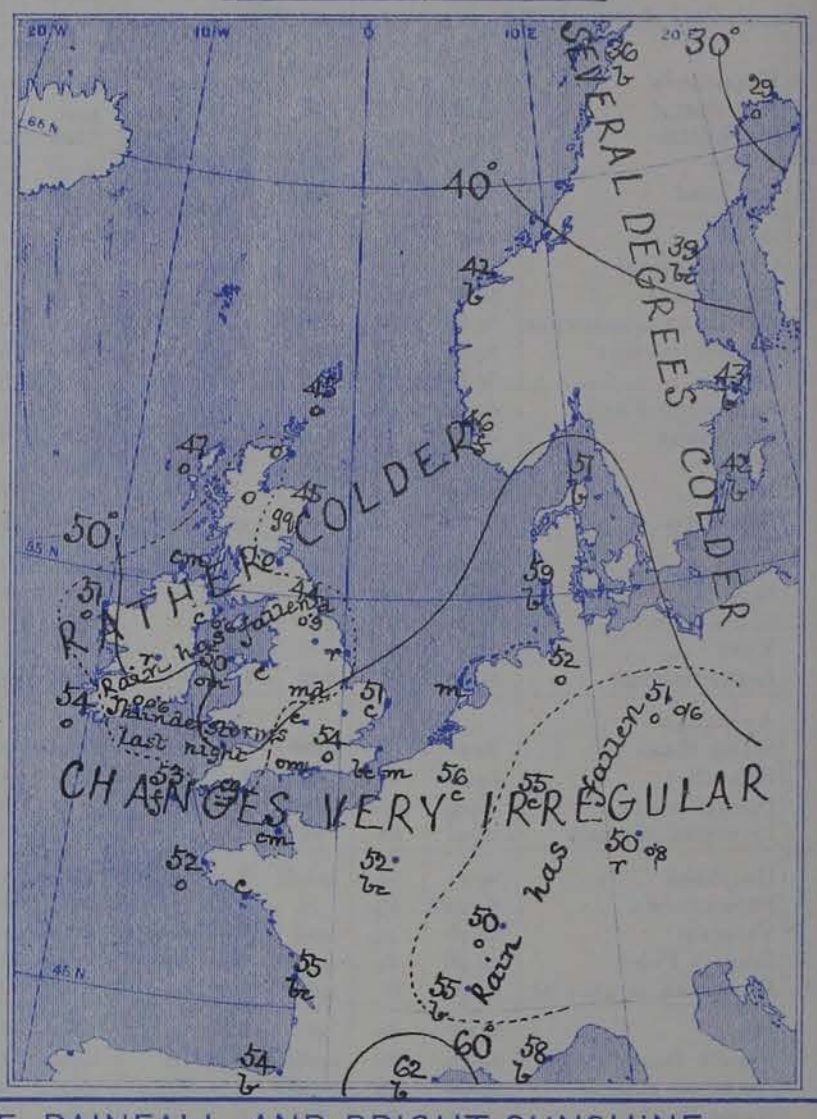
SEA—Rough *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29·956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29·941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29·984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.21 ins. at Bodö, and exceeding 30.0 ins. not only over the whole of Scandinavia, but also over Scotland, the greater part of Ireland, Spain and France.
Lowest. Below 29.9 ins. over Devonshire and Dorset, apparently over the North Sea, and also over Germany.
Gradients moderate in the N., slight elsewhere. Barometer changing little or irregularly.

TEMPERATURE

Highest 55° to 52° at the various stations on the W. and NW. coasts of France, 54° at Valencia, 53 at Hurst Castle 56° at Brussels; – 59° at Faro.
Lowest 29° at Haparanda, 39° at Hernösand; below 50° over the more N^rn. parts of Scandinavia in Scotland, and over the NE^rn. parts of England.
It rose yesterday afternoon to 66° at Loughborough, 68° in London, and at Wiesbaden; to 73° at Paris, and 70° at Nice.

WIND

NE^ly. to N^ly. at all the northern stations, and in Ireland, and blew strongly at some of the Scandinavian stations.
W^ly. to SW^ly. over France and the Channel and Holland.

WEATHER

Fair but cloudy over England, dull and rather rainy in Scotland and some parts of Ireland; fine in the W. and S. of France.
Thunder and lightning occurred very generally over the SW. of England yesterday and at Roche's Pt.; considerable rain fell in Germany and also in the SE. and E. of Ireland and at North Shields. Bright Sunshine recorded yesterday amounted to 8.7 hrs. at Valencia, 7.8 hrs at Aberdeen, 7.7 hrs. at Hastings, but was slighter elsewhere.

SEA

Smooth or nearly so except in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change is indicated at present; local showers and thunder are still probable over England.

FORECASTS

For the 24 hours ending at NOON on 13th. MAY 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	N^ly. and NE^ly. winds, moderate; some rain.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	W^ly. and S^ly. airs, fair as a whole, but local showers possible, and also some thunder.
6 SCOTLAND WEST 7 ENGLAND N.W.	NE^ly. and N^ly. winds, light; fair.
8 ENGLAND S.W.	Same as Nos. 3 to 5.
9 IRELAND NORTH 10 IRELAND SOUTH	N^ly. breezes, light; cloudy, a few local showers.
WARNINGS	None issued

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.89	58	50	NNW	6	b	2
Sumburgh Head	30.09	47	45	NE	3	o	4
Stornoway	30.09	55	51	ENE	5	o	5
Aberdeen	30.04	53	48	NNE	5	bcq	4
Shields	29.93	46	46	N	2	r	3
Ardrossan							
Malin Head ...	30.01	50	49	NE	2	o	1
Belmullet	30.05	57	53	N	2	c	*
Holyhead	29.94	53	51	N	1	bc	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.00	57	53	NW	4	bm	4
Scilly	29.93	56	53	WNW	3	c	1
Jersey	29.96	58	53	SW	4	bc	3
Hurst Castle ...	29.92	55	52	S	3	bcw	2
Dungeness ...	29.91	54	53	SSW	2	m	1
North Foreland							
London (Westminster)	29.89	65	59	S	1	cw	*
Yarmouth ...	29.86	55	52	ESE	3	bc	3
Rochefort ...	30.04	61	56	W	4	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental information not received

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS : For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 13th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·21	28	N	2	0	30·29	+·22	30	26	+1	N	2	0	*	0	*	32	25	-
	Hernösand ...	30·23	39	W	0	bc	30·27	+·16	36	30	-3	SE	2	c	*	bc	*	48	32	-
	Stockholm ...	30·18	35	NNE	4	b	30·24	+·22	39	36	-4	E	4	b	*	b	*	55	34	-
	Wisby	30·13	35	NNE	4	b	30·21	+·24	37	34	-5	N	4	0	*	b	*	45	32	-
	Karlstad ...	30·07	47	ESE	6	b	30·18	+·15	41	35	-5	ESE	4	0	*	b	*	*	*	-
	Bodö	30·19	37	NE	4	b	30·11	-·10	37	32	+1	E	4	b	1	b	*	37	30	-
	Christiansund ...	30·18	45	NNE	4	b	29·87	-·23	45	41	+3	E	2	c	3	c	*	46	41	-
	Skudesnaes ...	29·93	50	W	0	bc	29·82	-·10	51	48	+5	W	0	0	0	m.bc	*	54	46	*
	Færder (Christiania Fjord)	29·97	53	ESE	2	0	30·05	+·03	44	39	-3	ESE	6	0	4	0	*	54	43	-
	Skagen (The Scaw)	29·92	54	ENE	2	bc	29·99	+·01	46	45	-5	SSE	6	r	2	bc	*	63	45	0·16
	Fanö	29·94	54	SW	1	bc	29·91	-·01	55	54	-4	S	1	0	*	bc	*	63	50	-
BRITISH ISLANDS.	Sumburgh Head	29·96	45	NE	3	0	29·85	-·20	43	40	-2	NE	2	0	3	0	*	47	39	-
	Stornoway ...	30·01	48	ESE	3	0	29·84	-·27	46	44	-1	ENE	4	0	4	0	1·2	50	42	0·03
	Wick	30·02	46	NE	2	0	29·85	-·23	46	44	+1	E	2	c	2	0	*	51	44	0·01
	Nairn	30·00	48	E	1	0	29·85	-·25	46	42	+1	E	1	0	1	0	*	50	42	-
	Aberdeen ...	30·00	45	N	3	0g	29·85	-·21	44	41	-1	N	2	0g	2	0g	0·0	48	42	-
	Leith	29·99	51	E	2	0	29·84	-·22	45	42	-1	E	1	0	*	0	*	52	42	-
	Shields	29·97	43	NNE	2	0	29·84	-·16	43	42	-1	NNE	2	0	3	a.0	*	45	41	0·07
	Spurn Head ...	29·95	46	N	4	0	29·84	-·13	46	45	0	NNE	2	0ap	2	0	*	48	44	0·02
	York														*					
	Loughborough ...	29·94	48	E	2	0	29·85	-·12	46	45	-1	ESE	1	0m	*	gmp.om	*	50	45	0·04
	Ardrossan ...																*			
	Malin Head ...	29·99	50	N	4	bcm	29·81	-·21	46	45	-3	NNW	1	omr	1	c.bcm	*	53	45	0·05
	Belmullet ...	30·11	49	NNE	4	om	29·86	-·21	45	45	-6	NNW	2	om	*	0	*	52	45	0·05
	Donaghadee ...	29·99	49	SE	2	om	29·84	-·19	45	44	-2	ESE	3	r	3	og	*	51	43	0·04
	Liverpool (Bidston)	29·92	50	E	1	0	29·80	-·16	46	45	-5	E	3	r	?	ogd	*	52	45	0·09
	Holyhead ...	29·93	49	NE	3	om	29·80	-·15	47	46	-3	NE	1	dm	1	om	*	53	45	0·06
	Parsonstown ...	29·98	51	N	1	r	29·85	-·16	48	46	+2	NW	1	o	*	or	0·0	62	37	0·03
	Valencia ...	30·01	52	NNE	2	op	29·90	-·12	49	47	-5	NNW	3	op	3	op	0·0	55	47	0·03
	Roche's Point ..	29·97	53	N	4	o	29·86	-·13	51	48	0	N	3	c	3	o	*	54	48	0·01
	Pembroke (St. Ann's Hd.)	29·90	51	NNE	2	c	29·83	-·11	49	48	0	NW	2	pg	2	c	3·4	54	46	0·01
	Scilly	29·93	52	NW	3	or	29·86	-·08	51	50	-2	NNW	1	om	0	om	0·9	57	50	-
	Prawle Point ...	29·91	48	W	2	r	29·86	-·08	50	48	+2	S	2	c	1	r	*	51	44	0·97
	Jersey (St. Aubin's)	29·94	54	SW	4	ogm	29·89	-·09	52	51	-1	WSW	3	om	3	bc.ogm	*	60	50	0·13
	Hurst Castle ...	29·92	54	WSW	2	cm	29·84	-·07	50	48	-3	WSW	2	cm	1	bcm.bm	*	58	48	-
	Dungeness ...	29·92	54	SW	3	bc	29·84	-·13	52	50	-1	SSW	2	opb	2	bc	*	63	47	0·09
	North Foreland																*			
	London (Brixton) ...	29·89	58	SW	2	bc	29·86	-·10	50	47	-4	SW	2	0	*	bc.b	4·6	66	45	-
	Oxford	29·88	50	NE	1	0	29·81	-·14	49	47	-4	ENE	1	0	*	0.bp	*	60	46	0·16
	Cambridge ...														*					
	Yarmouth ...	29·90	50	NE	2	c	29·80	-·11	50	49	-1	NE	2	bc	2	bc.c	*	57	45	-
GERMANY & HOLLAND.	Cuxhaven ...	29·94	54	W	0	c	29·91	-·02	53	52	+1	W	0	c	*	c.r	*	57	52	0·20
	Berlin	29·93	64	N	2	b	30·02	+·13	55	49	+4	E	4	bc	*	b	*	70	50	-
	Wiesbaden ...	*	*	*	*	*	29·96	-·05	56	52	+1	NW	3	b	*	*	*	68	48	0·24
	Munich... ..	30·06	53	W	0	0	30·06	·00	55	51	+5	W	3	bc	*	0	*	59	46	0·75
	The Helder ...	29·93	50	W	1	c	29·83	-·09	53	51	+1	W	0	c	0	c	*	54	45	-
BELGIUM.	Brussels ...	*	*	*	*	*	29·88	-·12	51	50	-5	SSW	2	0	*	0	*	61	46	0·16
	Cape Gris Nez ...	29·93	55	SW	1	b	29·84	-·12	49	48	-3	NW	2	0	2	b	*	59	46	0·24
	Paris	29·98	59	SSW	1	r	29·93	-·11	52	50	0	S	1	bc	*	r	*	66	44	-
	Brest	29·96	54	W	2	0	29·89	-·11	53	50	+1	W	2	b	2	0	*	61	48	-
	Lorient	29·97	56	W	4	bc	29·93	-·03	55	52	+2	W	0	0	4	bc	*	63	50	-
FRANCE &	Rochefort ...	30·00	59	NW	3	bc	29·96	-·08	52	50	-3	E	2	bc	*	b.bc	*	68	48	-
	Belfort ...	29·96	62	WSW	1	0	29·96	-·10	55	51	+5	ENE	2	bc	*	0	*	66	44	-
	Lyons ...	30·01	64	ESE	1	bc	30·01	-·09	54	51	-1	S	1	r	*	bc	*	69	50	-
	Nice	30·00	57	SW	1	bo	30·03	+·04	56	54	-2	W	0	c	0	b	*	66	52	-
	Perpignan ...	29·98	71	S	2	c	29·97	-·13	64	59	+2	W	0	b	*	c	*	75	50	-
	Biarritz ...	30·01	60	W	4	0	29·91	-·12	58	57	+4	ENE	2	b	2	0	*	70	52	0·04
PENINSULA.	Corunna ...																*			
	Lisbon ... ... †	29·92	61	N	4	b	29·75	-·29	62	56	0	NE	3	0	*	b	*	70	59	-
	Azores (P. Delgada)	30·11	59	NNE	5	bc	30·11	-·04	60	54	0	NE	4	c	3	bc	*	64	57	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

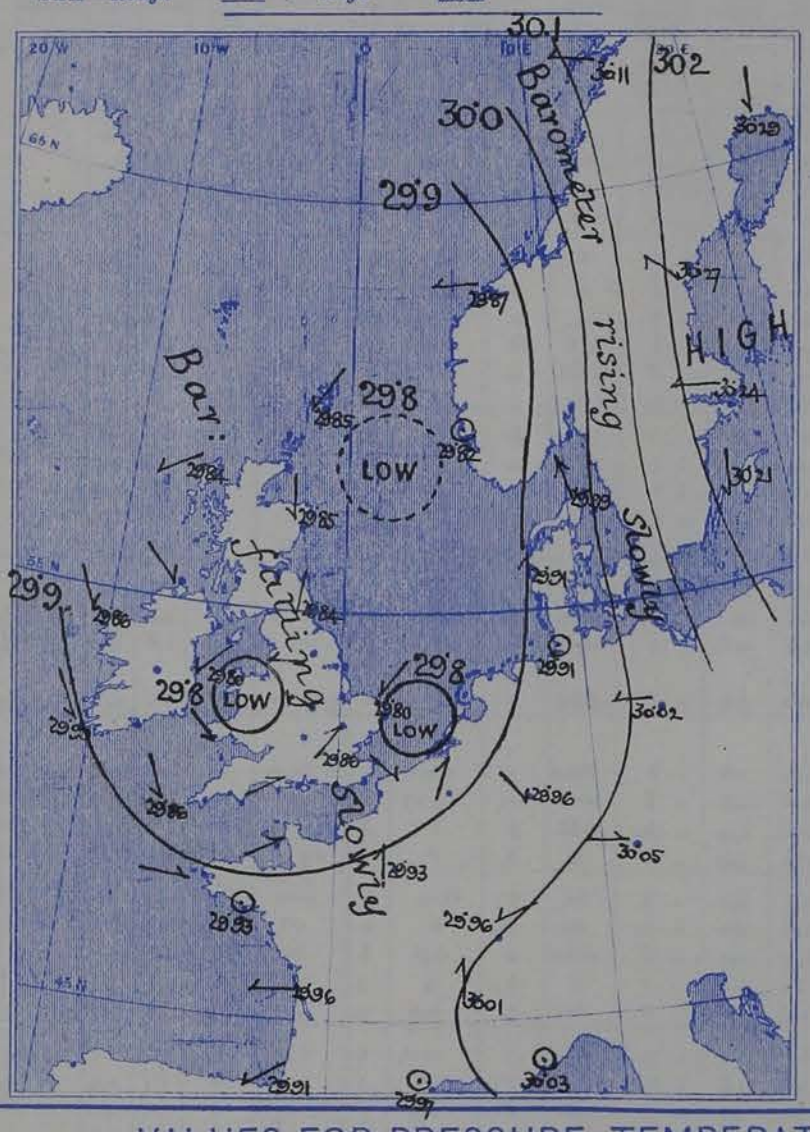
Bright Sunshine yesterday Southport 0·1 *hrs;*

WEATHER CHARTS

FOR Saturday, 13th May, 1899.

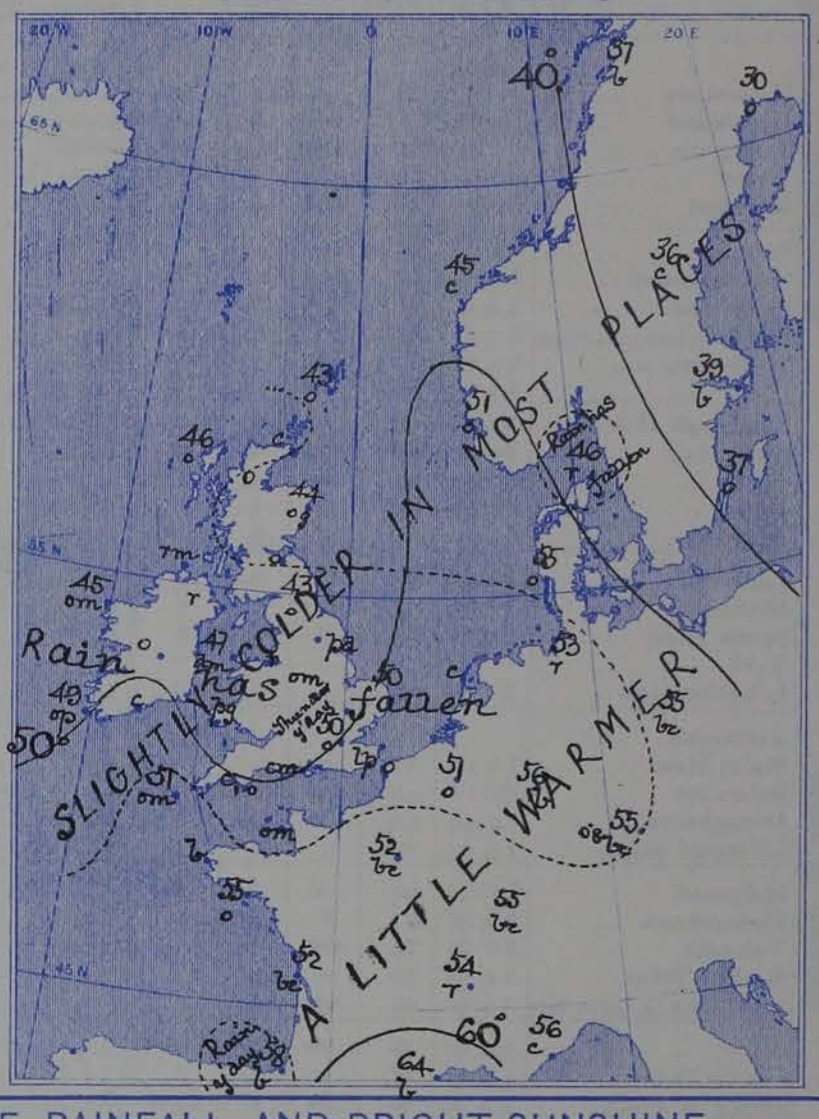
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough : *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MAY.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	186 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and more over the Gulf of Bothnia and the Baltic, and exceeding 30·0 in: all over Sweden and Central Europe Switzerland.
Lowest, Below 29·9 in: over our Islands and the north of France, and below 29·8 in: in three distinct minima one over Wales, another off the East coast, and the third between the Shetland Islands and Norway.
Gradients slight and irregular in our Islands, moderate for SE winds over Sweden and Finland.
Barometer rising over Scandinavia, falling irregularly in our Islands.

TEMPERATURE

Highest, 64° to 54° in the south and southwest of France, 55° at Berlin, 52° to 50° in the south of England.
Lowest, 30° to 37° in the north of Scandinavia, 43° to 46° in the northwest, north, and northeast of our Islands.
It rose during yesterday to 62° at Parsonstown, 66° in London and at Paris, 70° at Berlin and Bienitz, and 75° at Perpignan.

WIND

SE and E rather strong over Scandinavia, very variable elsewhere between SW. and NW – light over our Islands generally.

WEATHER

Dull almost all over the Kingdom, and showery locally, fair over France and Central Europe.
Bright Sunshine recorded yesterday was more than 7 hours at Eastbourne and Hastings, but there was none either in Ireland or at Aberdeen. Thunder occurred again at Oxford.

SEA

Slight or smooth except off our northern coasts where it is moderate

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather is still in an unstable condition generally, and showery in many places; (at Prawle Point the rainfall has exceeded 0·9 in:). More extensive and considerable changes are probable.

FORECASTS

For the 24 hours ending at NOON on 14th MAY, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	Very Variable NW to NE winds, light; some showers.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Wind exceedingly variable; some local showers and thunder, but fair as a whole.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	Varying NW to N winds; local showers, some thunder.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.96	53	49	S	4	m	2
Sumburgh Head	30.02	47	42	NE	3	o	5
Stornoway	30.08	50	47	ESE	4	o	4
Aberdeen	30.03	46	43	NNE	3	og	4
Shields	29.95	44	44	NNE	2	d	3
Ardrossan							
Malin Head ...	30.01	51	49	N	1	c	1
Belmullet	30.07	51	49	NNE	4	o	*
Holyhead	29.96	51	49	NE	3	om	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.03	53	51	NNE	2	op	3
Scilly	29.94	54	52	NW	2	om	1
Jersey	29.97	58	54	SW	4	bc	3
Hurst Castle ...	29.94	57	53	SW	3	bcm	3
Dungeness ...	29.96	57	53	SW	3	bc	2
North Foreland							
London (Westminster)	29.92	51	46	SW	3	c	*
Yarmouth ...	29.73	54	51	SE	2	bc	3
Rochefort ...	30.04	66	61	NW	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS : For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Sunday 14th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30.21	28	NE	0	c	30.13	−.16	32	29	+ 2	NE	0	c	*	c	*	36	27	—
	Hernösand ...	30.18	31	NE	0	0	29.99	−.28	35	34	− 1	SE	4	r	*	o	*	39	23	0.16
	Stockholm ...	30.18	36	N	2	0	30.06	−.18	46	42	+ 7	E	2	o	*	o	*	48	28	—
	Wisby	30.16	40	SE	4	0	30.04	−.17	50	43	+ 13	S	4	bc	*	o	*	?	28	—
	Karlstad ...	30.07	42	S	2	0	29.94	−.24	42	39	+ 1	SE	4	r	*	o.r	*	*	*	0.04
	Bodö	29.99	36	SE	4	0	29.93	−.18	40	35	+ 3	E	4	b	1	o	*	41	32	—
	Christiansund ...	29.84	48	NE	2	c	29.82	−.05	44	42	− 1	NNE	2	r	2	c	*	50	43	—
	Skudesnaes ...	29.84	47	SE	4	r	29.77	−.05	49	47	− 2	NNE	2	o	1	r	*	51	45	*
	Færder (Christiania Fjord)	29.98	43	E	4	0	29.88	−.17	45	43	+ 1	ENE	4	c	3	o	*	45	43	0.28
	Skagen (The Scaw)	29.91	50	SSE	6	m	29.84	−.15	48	46	+ 2	SSE	4	o	1	m	*	55	45	0.16
	Fanö	29.79	52	S	3	c	29.81	−.10	52	50	− 3	WSW	4	c	*	c	*	63	50	0.16
GERMANY & HOLLAND.	Sumburgh Head	29.72	45	NE	3	0d	29.65	−.20	46	44	+ 3	SE	2	o	4	o.d	*	48	42	—
	Stornoway ...	29.73	45	E	4	d	29.55	−.29	43	42	− 3	ESE	2	r	2	o.d	0.0	49	41	0.05
	Wick	29.78	46	SE	2	0	29.59	−.26	45	44	− 1	SE	4	rw	3	o	*	55	41	0.02
	Nairn	29.74	47	ENE	3	c	29.54	−.31	43	41	− 3	E	2	r	1	c	*	50	39	0.24
	Aberdeen ...	29.75	44	E	2	0	29.55	−.30	45	45	+ 1	SE	4	orgq	4	c.o	0.1	48	42	0.38
BRITISH ISLANDS.	Leith	29.70	47	E	3	0	29.51	−.33	48	47	+ 3	E	0	o	*	o	*	49	42	0.36
	Shields	29.73	45	E	2	0	29.55	−.29	49	48	+ 6	S	3	o	2	o.r	*	49	42	0.27
	Spurn Head ...	29.73	48	ESE	4	0	29.63	−.21	50	49	+ 4	S	4	o	3	o	*	51	45	0.09
	York	*													*					
	Loughborough ...	29.72	52	SE	1	r	29.62	−.23	51	49	+ 5	SSW	2	c	*	c.or.p.c	*	59	46	0.16
	Ardrossan ...																*			
	Malin Head ...	29.65	47	E	2	0	29.46	−.35	46	46	0	SSW	1	or	4	og	*	49	44	0.11
	Belmullet ...	29.72	47	N	2	0	29.55	−.31	48	47	+ 3	NNW	2	bc	*	om	*	48	41	0.07
	Donaghadee ...	29.67	47	SE	3	r	29.49	−.35	48	47	+ 3	S	3	c	3	r	*	51	?39	0.25
	Liverpool (Bidston)	29.68	46	WSW	1	r	29.57	−.23	52	48	+ 6	SSE	1	bc	1	r	*	54	45	0.26
	Holyhead ...	29.67	48	SW	1	r	29.55	−.25	48	46	+ 1	SW	1	rm	1	o.mol	*	51	46	0.04
	Parsonstown ...	29.67	49	SW	1	0	29.53	−.32	46	44	− 2	NW	1	o	*	op	0.0	53	42	0.12
	Valencia ...	29.70	50	W	3	0	29.55	−.35	49	46	0	NNW	1	bep	3	c.o	1.8	53	40	0.22
	Roche's Point ..	29.71	47	S	1	r	29.55	−.31	53	51	+ 2	NNW	3	c	2	r	*	54	41	0.55
	Pembroke (St. Ann's Hd.)	29.70	48	SW	2	r	29.53	−.30	49	48	0	SW	4	ep	3	r	0.7	53	46	0.12
	Scilly	29.76	52	W	3	bc	29.59	−.27	55	51	+ 4	WSW	4	c	1	om.bc	0.1	55	49	0.01
	Prawle Point ...	29.76	51	SW	3	0	29.62	−.24	50	49	0	S	2	cp	1	o	*	55	46	0.02
	Jersey (St. Aubin's)	29.81	56	SW	3	0	29.64	−.25	53	51	+ 1	SW	3	om	3	omg	*	60	46	—
	Hurst Castle ...	29.77	54	SW	3	c	29.63	−.21	52	51	+ 2	SW	2	om	1	bem.em	*	59	50	—
	Dungeness ...	29.79	53	SW	3	bc	29.66	−.18	53	51	+ 1	SSE	3	o	2	b.bc	*	57	50	—
	North Foreland																*			
	London (Brixton) ...	29.75	59	SW	2	bc	29.65	−.21	53	50	+ 3	SE	2	o	*	bc	1.8	64	49	—
	Oxford	29.73	53	SSW	2	0	29.62	−.19	52	49	+ 3	S	3	em	*	o.r	*	61	47	—
	Cambridge ...														*					
	Yarmouth ...	29.75	51	E	2	bc	29.66	−.14	52	51	+ 2	SSE	2	c	2	bc	*	53	46	—
	Cuxhaven ...	29.80	56	SSW	4	r	29.84	−.07	50	49	− 3	SW	1	b	*	tbrq	*	59	46	0.39
	Berlin	29.89	59	SE	2	c	29.95	−.07	56	53	+ 1	SSW	3	b	*	c	*	66	52	0.12
	Wiesbaden ...	*	*	*	*	*	30.04	+.08	57	52	+ 1	W	4	b	*	*	*	70	45	—
	Munich... ..	30.02	56	SE	3	0	29.99	−.07	60	56	+ 5	SE	4	b	*	o	*	66	46	0.04
	The Helder ...	29.78	50	WSW	1	c	29.76	−.07	?	52	?	S	1	c	0	c	*	55	41	0.51
BELGIUM.	Brussels ...	*	*	*	*	*	29.74	−.14	61	54	+ 10	SE	3	c	*	b	*	61	46	—
	Cape Gris Nez...	29.80	53	SW	2	c	29.69	−.15	56	53	+ 7	S	2	c	2	c	*	56	45	—
	Paris	29.80	63	SSW	3	bc	29.74	−.19	52	50	− 0	S	2	r	*	bc	*	68	45	0.04
	Brest	29.80	55	W	1	0	29.65	−.24	49	48	− 4	NW	1	c	2	o	*	59	48	—
	Lorient... ...	29.84	58	W	2	b	29.65	−.28	50	48	− 5	NNE	3	o	2	b	*	64	48	—
FRANCE &	Rochefort ...	29.80	62	N	3	bc	29.65	−.31	59	57	+ 7	E	2	bc	*	tlr.bc	*	70	48	0.20
	Belfort	29.88	64	W	3	bc	29.85	−.11	58	53	+ 3	NNE	1	c	*	bc	*	67	51	—
	Lyons	29.92	62	NNW	1	bc	29.81	−.20	62	52	+ 8	S	3	bc	*	bc	*	69	53	—
	Nice	30.03	58	E	0	c	30.00	−.03	58	55	+ 2	E	2	o	1	c	*	66	52	—
	Perpignan ...	29.88	68	NE	1	0	29.86	−.11	61	59	− 3	S	4	o	*	o	*	80	57	—
	Biarritz ...	29.74	74	E	3	0	29.61	−.30	68	56	+ 10	ESE	4	o	2	o	*	75	58	—
PENINSULA.	Corunna ...	?	62	N	4	f	29.69	−.19	55	54	− 2	N	3	o	3	f	*	66	52	0.24
	Lisbon	29.68	61	SSW	5	c	29.63	−.12	61	58	− 1	SSW	4	o	*	c	*	77	57	0.61
	Azores (P. Delgada)	30.21	59	NNE	4	c	30.22	+.11	60	55	0	NNE	4	bc	3	c	*	64	57	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

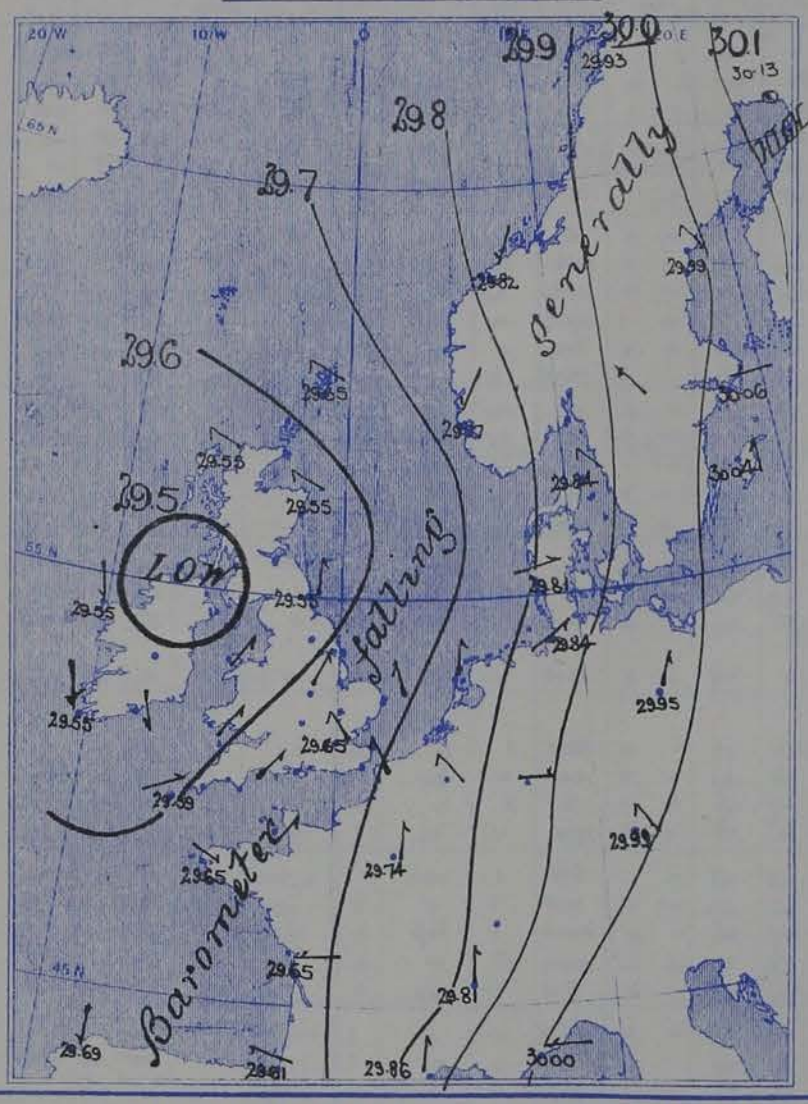
Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR Sunday, 14th May, 1899.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30·1 ins: and more to 30·0 ins over Finland and Sweden; (2) 30·0 ins: and more to 29·9 ins: over the Riviera and south of France.
Lowest, (1) Below 28·5 ins: in a shallow depression over the north of Ireland; (2) Below 29·6 ins: off our southwest coast and also over Spain.
Gradients slight.
Barometer falling over Western Europe generally.

TEMPERATURE

Highest, 62° at Lyons, 60° at Munich, 61° at Brussels, 56° at Berlin; 53° to 50° over the south of our Islands.
Lowest, 32° at Haparanda, 35° at Hernösand, 40° at Bodö, 42° at Karlstad, 43° at Stornoway, 45° at Aberdeen, 49° at Shields.
Rising later to only 59° at Loughborough, 60° at Jersey; to 64° in London, 68° at Paris, 70° at Wiesbaden, 83° at Perpignan.

WIND

Very variable – but mainly S[3] over the eastern half of England, SE[3] in Scotland, NE[1] in Norway, S[4] in the south of Sweden; NNW[1] in Ireland, exceedingly variable in France

WEATHER

Becoming very changeable over our Islands and the north of France, with rain in several localities. Temporarily clear at Berlin and Brussels.
Rain has fallen very generally in Denmark and the north and west of the British Islands. Thunderstorms have occurred in the south of France.
Bright Sunshine recorded at our stations yesterday ranged from 0·0 at Stornoway, Parsonstown & Lullfoot to 1·8 hrs: at Valencia and in London.

SEA

Smooth in the south, slight in the west, moderate in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 15th MAY, 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.83	48	47	S	4	T	2
Sumburgh Head	29.78	46	44	NE	3	0	4
Stornoway	29.78	48	45	ESE	4	0	4
Aberdeen	29.79	47	43	SE	2	c	2
Shields	29.78	47	45	E	1	0	3
Ardrossan							
Malin Head ...	29.72	49	48	E	1	0	0
Belmullet	29.78	47	46	WNW	1	om	*
Holyhead	29.75	50	48	NW	2	0	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.80	52	47	W	3	c	4
Scilly	29.82	53	52	SW	2	om	0
Jersey	29.87	59	55	SW	4	bc	3
Hurst Castle ...	29.83	57	53	SW	3	bcm	2
Dungeness ...	29.81	56	53	SW	3	b	2
North Foreland							
London (Westminster)	29.78	60	53	SW	3	bop	*
Yarmouth ...	29.78	51	49	ENE	2	bc	2
Rochefort ...	29.92	70	55	NE	3	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning very changeable in various parts of our Islands, lightning at Dungeness, fine over Sweden, also over Italy and the Adriatic, unstable generally. Rain falling later in all the northern and western parts of the United Kingdom, showers in many localities on the Continent; thunder and lightning occurring in the southern parts of France.

Temperature less high than of late but air over our Islands becoming damp - Morning readings highest 71° at Athens, 66° at Algiers, 62° at Coruna, 58° at Biarritz, 55° to 52° over many parts of France, Germany and the south of our Islands - Lowest 22° at Archangel, 28° at St Petersburg, 30° at Haparanda, 37° at Moscow, 40° at Riga. Touching 60° at Jersey later, 64° in London, 68° at Paris, 70° at Wiesbaden, 77° at Lisbon, 83° at Perpignan.

Wind anticyclonic (and rather strong) over northern Europe, cyclonic and very light and variable over our Islands, light and variable over southern Europe. Becoming still more variable (cyclonic) over Ireland later, and not less variable elsewhere

Barometer highest (1) 30·3 ins: and more at Ulsaberg, and exceeding 30·1 ins: all over Sweden, Finland, and the Gulf of Bothnia; (2) above 30·2 ins: over the south of Italy. Lowest, (1) 29·7 ins: and less, in a depression over Central Russia; (2) Below 29·9 ins: over the whole of our Islands, and below 29·8 ins: in a few local minima over Great Britain and the North Sea. A new depression approaching the north of Ireland later from the Atlantic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Monday, 15 May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30.06	31	S	2	S	29.89	-.24	35	34	+3	ESE	2	S	#	S	#	36	21	0.12
	Hernösand ...	29.91	36	2	0	r	29.86	-.13	40	39	+5	2	0	bc	#	r	#	41	28	0.04
	Stockholm ...	29.91	46	SE	2	0	29.90	-.16	48	46	+2	2	0	0	#	0	#	56	36	–
	Wisby	29.92	45	S	4	b	29.89	-.15	52	49	+2	S	4	b	#	b	#	55	37	0.04
	Karlstad ...	29.84	49	SE	2	0	29.82	-.12	48	46	+6	ENE	2	0	#	0	#	#	#	–
	Bodö	29.83	36	E	4	S	29.81	-.12	37	35	-3	E	4	S	1	S	#	45	32	0.08
	Christiansund ...	29.81	41	NE	4	0	29.79	-.03	43	40	-1	NE	4	0	4	0	#	44	41	0.04
	Skudesnaes ...	29.75	48	E	2	0	29.55	-.22	50	48	+1	NE	4	r	1	0	#	52	45	#
	Færder (Christiania Fjord)	29.84	49	SSW	1	0	29.77	-.11	47	46	+2	E	2	r	2	0	#	50	45	–
	Skagen (The Scaw)	29.82	50	SSE	1	m	29.66	-.18	50	49	+2	SE	4	m	1	m	#	54	48	0.16
	Fanö	29.71	56	ESE	4	c	29.49	-.32	58	56	+6	SSE	4	c	#	c	#	63	52	0.12
BRITISH ISLANDS.	Sumburgh Head	29.57	44	ENE	3	r	29.46	-.19	46	46	0	ENE	1	f	4	r	#	47	43	0.46
	Stornoway ...	29.44	50	ESE	3	c	29.42	-.13	50	48	+7	ENE	2	c	2	0.c	2.9	51	39	0.08
	Wick	29.47	45	SE	4	f	29.42	-.17	45	44	0	SE	1	f	1	r.f	#	50	42	0.42
	Nairn	29.45	48	E	1	bc	29.43	-.11	43	41	0	2	0	m	0	f, bc	#	51	34	0.27
	Aberdeen ...	29.50	46	SSE	2	ogm	29.39	-.16	45	44	0	NW	3	ogp	3	r.f.gm	2.7	51	42	0.02
	Leith	29.46	53	N	1	r	29.38	-.13	46	45	-2	NNE	1	om	#	r	#	57	42	0.16
	Shields	29.48	52	N	3	0	29.36	-.19	48	48	-1	N	2	f	2	0.r	#	58	45	0.05
	Spurn Head ...	29.48	52	SE	1	r	29.36	-.27	48	48	-2	W	1	rm	2	c.r	#	55	46	0.21
	York														#					
	Loughborough ...	29.49	56	SSE	1	0	29.39	-.23	48	47	-3	W	1	r	#	c.op.or	#	61	47	0.10
	Ardrossan ...																#			
	Malin Head ...	29.41	49	E	1	b	29.37	-.09	46	45	0	S	1	bcp	1	r.b	#	49	44	0.09
	Belmullet ...	29.48	52	W	1	b	29.43	-.12	52	47	+4	WNW	1	b	#	b	#	52	40	0.03
	Donaghadee ...	29.45	51	S	3	bcp	29.38	-.11	49	48	+1	SE	2	bc	3	bcp	#	54	45	0.07
	Liverpool (Bidston)	29.47	53	NNE	1	c	29.39	-.18	48	45	-4	NNW	2	0	1	p.b	#	56	46	0.04
	Holyhead ...	29.48	52	SW	2	bc	29.39	-.16	52	48	+4	SW	3	c	2	bc	#	54	44	0.02
	Parsonstown ...	29.45	46	SE	1	r	29.41	-.12	50	46	+4	SE	1	b	#	c.r	3.3	57	38	0.02
	Valencia ...	29.45	51	W	2	bcv	29.36	-.19	52	46	+8	ESE	2	bo	3	bcv	11.3	52	39	–
	Roche's Point ...	29.47	51	SW	3	p	29.38	-.17	51	49	-2	SE	1	b	1	p	#	54	42	0.10
	Pembroke (St. Ann's Hd.)	29.48	52	W	3	bc	29.42	-.11	51	49	+2	SW	3	bc	3	bc	10.4	55	46	–
	Scilly	29.53	53	WSW	4	c	29.42	-.17	53	50	-2	SSW	4	bp	2	b, c	13.6	57	49	0.01
	Prawle Point ...	29.53	50	SW	2	c	29.46	-.16	51	48	+1	SW	2	bc	1	c	#	54	44	–
	Jersey (St. Aubin's)	29.54	51	NNW	3	ogrm	29.50	-.14	52	49	-1	W	3	cm	3	grm	#	60	45	0.47
	Hurst Castle ...	29.53	50	SW	2	r	29.43	-.20	53	50	+1	W	2	c	2	c.r	#	58	49	0.18
	Dungeness ...	29.52	52	2	0	op	29.38	-.28	49	48	-4	WNW	2	0	1	op	#	53	47	0.65
	North Foreland																#			
	London (Brixton) ...	29.51	54	SW	2	opd	29.43	-.22	48	47	-5	WSW	1	or	#	o.or	0.0	64	48	0.34
	Oxford	29.51	51	SSW	2	r	29.41	-.21	48	47	-4	WSW	1	or	#	od	#	60	46	0.10
	Cambridge ...														#					
	Yarmouth ...	29.55	51	SSE	2	c	29.35	-.31	51	50	-1	SE	1	rf	2	cm	#	52	48	0.49
GERMANY & HOLLAND.	Cuxhaven ...	29.68	61	E	2	c	29.52	-.32	59	57	+9	S	2	0	#	c	#	63	50	–
	Berlin	29.79	68	2	0	c	29.66	-.29	65	61	+9	SE	4	c	#	c	#	75	56	–
	Wiesbaden ...	*	*	*	*	*	29.60	?	61	57	+4	NW	3	0	#	*	#	75	57	–
	Munich... ..	29.80	62	E	4	bc	29.73	-.26	58	54	-2	S	2	0	#	bc	#	73	50	–
	The Helder ...	29.55	55	ENE	1	c	29.42	-.34	58	57	?	S	1	0	0	c	#	63	54	0.16
BELGIUM.	Brussels ...	*	*	*	*	*	29.45	-.29	59	56	-2	S	5	0	#	r	#	74	54	0.20
	Cape Gris Nez ...	29.54	54	SW	1	0	29.37	-.32	50	50	-6	E	2	r	2	0	#	57	50	1.10
	Paris														#		#			
	Brest	29.56	52	W	1	c	29.50	-.15	50	46	+1	NNE	2	bc	2	c	#	55	46	–
	Lorient... ...	29.55	52	NNW	1	c	29.55	-.10	52	48	+2	W	2	c	3	c	#	55	48	0.55
FRANCE &	Rochefort ...	29.53	62	S	4	0	29.61	-.04	53	50	-6	NW	2	0	#	0	#	66	50	0.20
	Belfort ...	29.61	67	W	2	c	29.55	-.30	55	52	-3	E	3	bc	#	c	#	78	49	–
	Lyons ...	29.61	68	SSW	1	0	29.55	-.26	65	56	+3	S	4	0	#	0	#	73	54	–
	Nice	29.85	62	E	9	bc	29.77	-.23	57	55	-1	E	2	c	1	bc	#	68	54	0.39
	Perpignan ...	29.68	61	SE	6	0	29.63	-.23	62	61	+1	S	1	0	#	0	#	68	57	–
	Biarritz ...	?	64	?	3	0	29.65	+.04	54	50	-14	W	5	r	4	0	#	68	50	0.28
PENINSULA.	Corunna ...																#			
	Lisbon ... ... †	29.60	58	NNW	5	b	30.04	+.41	60	52	-1	WNW	4	c	#	b	#	64	54	0.04
	Azores (P. Delgada)	30.25	59	N	3	0	30.22	.00	59	54	-1	N	3	0	2	0	#	66	57	–

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

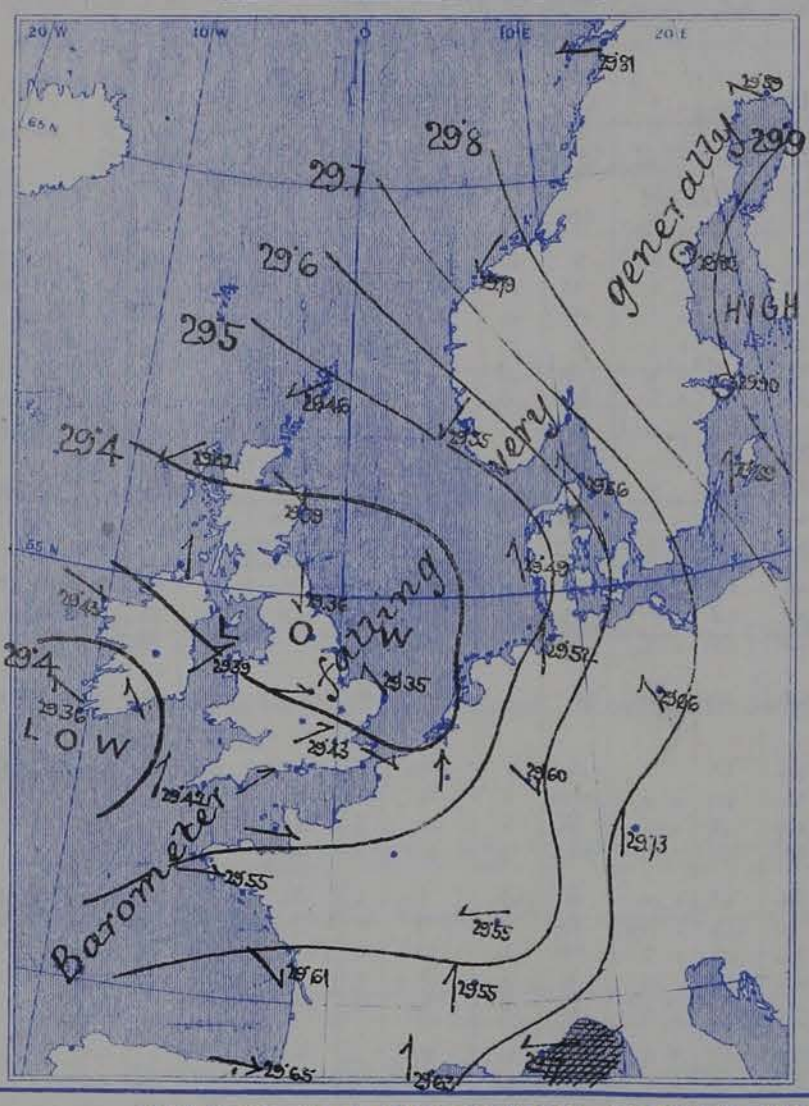
Bright Sunshine yesterday Southport 6.6 hrs;

WEATHER CHARTS

FOR Monday, 15th May, 1899.

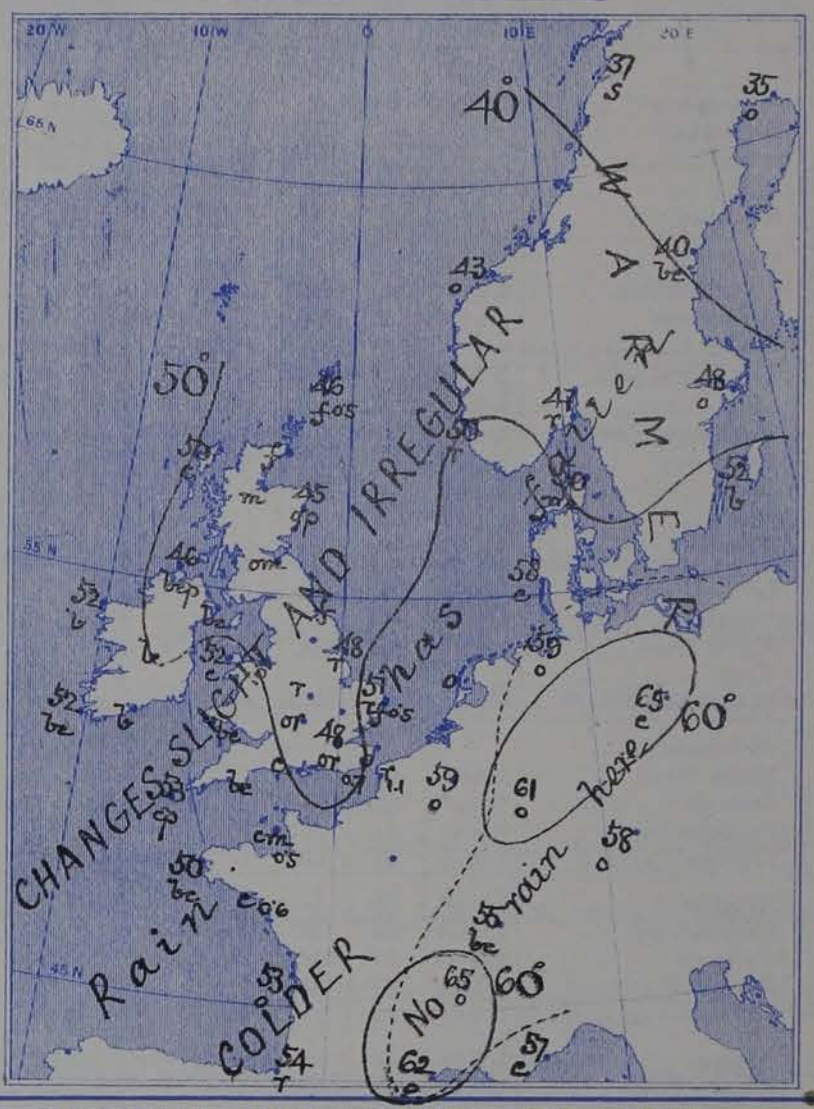
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29·956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29·941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	188·6†	35†
Oxford	29·984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29·9 in: and more to 29·8 in: over Finland, Sweden, and the north of Norway; 29·7 in: and more over South Germany, the north of Italy and the Riviera.
Lowest, 29·4 in: and less over the south of Ireland, and also in another complex system over the northeast of England and the south and west of Scotland.
Gradients very slight and irregular.
Barometer falling steadily on all our coasts.

TEMPERATURE

Highest, 65° at Lyons and Berlin, 61° at Wiesbaden, 59° at Brussels and Cuxhaven, 49° to 53° along the coasts of Ireland, and the west, south, and east coasts of England.
Lowest, (1) 35° at Haparanda, 37° at Bodö, 40° at Hernösand; (2) 43° at Nairn, 45° at Aberdeen, 48° at Shields, Spurn Head and Loughborough.
It rose during yesterday to 61° at Loughborough, 60° at Oxford and Jersey, 64° in London, 75° at Berlin, 78° at Belfort.

WIND

Very variable indeed from between SE, SW. and NW. in direction, and of little strength. The SE^{ly} wind was more prevalent in the north than elsewhere.

WEATHER

Very changeable generally, temporarily over Ireland and some parts of Wales, raining over the eastern half of England.
A solar halo is visible at Jersey
Rain has fallen very generally in our Islands and in some parts of France and Scandinavia. There were 13·6 hours of Bright Sunshine in the Scilly Islands yesterday, 11·3 hrs at Valencia and 10·7 hrs at Pembroke; on our southeast coasts there was hardly any.

SEA

again smooth or nearly so except in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Changeable weather (showers and bright intervals) is still indicated.

FORECASTS

For the 24 hours ending at NOON on 16th MAY, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Very Variable and E^{ly} breezes; changeable, rain at times.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	
4 MIDLAND COUNTIES	Varying and SE^{ly} to S^{ly} winds; rain at times, bright intervals.
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos 0 to 3.
7 ENGLAND N.W.	
8 ENGLAND S.W.	SE^{ly} to SW^{ly} winds; rain at times, bright intervals.
9 IRELAND NORTH	Same as Nos 0 to 3.
10 IRELAND SOUTH	Same as No 8.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA	SEA.
Skudesnaes ...	29.77	52	49	ESE	2	0	1
Sumburgh Head							
Stornoway	29.50	47	45	ESE	3	0	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.43	49	46	NW	1	r	0
Belmullet	29.49	51	47	W	1	b	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.60	53	52	W	3	r	3
Hurst Castle ...							
Dungeness ...	29.59	52	51	E	2	r	1
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.61	63	59	S	4	r	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 7TH TO THE 13TH MAY 1899.

At the commencement of the week an anticyclone lay over Central Sweden, Finland, Livonia and St Petersburg, and in it readings ranged from 30·7 ins. to 30·6 ins. Its eastern limb extended over the north of Russia, while its western limb (with readings exceeding 30·4 ins.) lay over Scotland and nearly the whole of Ireland. The low pressure area was very complex and covered the Baltic, Italy, and the Adriatic. NE to N breezes were therefore prevalent over the northern countries as a whole, and the rain (which fell in showers) was felt over the southern and central countries only.

Very gradually the area of highest pressure was transferred to Russia, but a ridge of high readings (decreasing in intensity) continued to cover the north and east of our Islands. In the meantime the complex low pressure system in the south spread northwards over Central Europe and the southeastern part of the British Islands, and in its rear a warm breeze from the SW quarter spread gradually over us, so that on Thursday a maximum as high as 68° was recorded in London, and the night minima were much lower than they had been.

With the development of small shallow minima within the general, and shallow, low pressure area already referred to, showers of rain and thunderstorms were experienced in many parts of the Kingdom and over Central Europe – the one being in the N current over Ireland and Wales, the other in the SE over Germany: In some places the fall was great, in several considerable.

No improvement seemed probable at the end of the week

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 16th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.76	36	WSW	2	b	29.85	−.04	35	30	0	N	4	b	#	b	#	43	28	—
	Hernösand ...	29.79	38	Z	0	r	29.65	−.21	37	36	− 3	NE	6	r	#	r	#	50	32	0.71
	Stockholm ...	29.72	48	ESE	2	o	29.43	−.47	60	55	+ 12	SSE	2	o	#	o	#	63	43	—
	Wisby	29.66	53	SE	4	b	29.47	−.42	59	54	+ 7	SSW	4	o	#	b	#	66	37	—
	Karlstad ..	29.53	54	SSE	4	o	29.43	−.39	48	45	0	ENE	2	o	#	o.br	#	#	#	0.28
	Bodö	29.80	37	E	2	b	29.78	−.03	39	35	+ 2	E	4	b	1	b	#	41	32	0.28
	Christiansund ...	29.55	46	NE	6	bc	29.76	−.03	47	44	+ 4	NE	5	b	4	bc	#	48	43	—
	Skudesnaes ...	29.36	51	E	4	r	29.41	−.14	49	45	− 1	SSW	6	o	4	r	#	52	45	#
	Færder (Christiania Fjord)	29.44	49	NE	2	o	29.39	−.38	49	48	+ 2	SW	6	o	3	o	#	50	46	0.51
	Skagen (The Scaw)	29.45	53	NNW	1	m	29.54	−.12	49	46	− 1	W	6	m	2	m	#	55	48	0.16
	Fanö	29.42	58	S	4	bc	29.64	+.15	52	49	− 6	WSW	4	b	#	bc	#	66	50	—
GERMANY & HOLLAND.	Sumburgh Head	29.31	45	NE	4	r	29.04	−.42	46	46	0	SE	5	r	6	r	#	47	44	1.34
	Stornoway ...	29.32	50	ENE	4	o	29.05	−.37	46	45	− 4	NW	4	r	4	b.o	8.6	56	42	0.15
	Wick	29.31	46	NW	2	r	28.97	−.45	45	44	0	W	4	r	3	r	#	50	42	0.85
	Nairn	29.27	47	W	3	r	29.06	−.37	46	45	+ 3	W	3	r	3	r	#	48	39	0.65
	Aberdeen ...	29.22	47	NW	4	orgq	29.16	−.23	51	46	+ 6	SW	4	bcq	2	orgq	0.0	51	43	0.22
BRITISH ISLANDS.	Leith	29.27	50	N	1	r	29.24	−.14	52	47	+ 6	WSW	3	c	#	r	#	52	43	0.11
	Shields	29.29	46	WSW	2	r	29.33	−.03	48	46	0	SW	3	c	2	r	#	50	40	0.46
	Spurn Head ...	29.37	48	W	3	bc	29.40	+.04	49	47	+ 1	SW	4	c	4	r.bc.p	#	51	45	0.34
	York														#					
	Loughborough ...	29.38	54	SW	3	bc	29.47	+.08	48	45	0	WSW	6	cq	#	r.cp.bq	#	57	44	0.13
	Ardrossan ...																#			
	Malin Head ...	29.32	50	NE	2	b	29.32	−.05	50	46	+ 4	W	4	bcp	2	b	#	52	44	0.03
	Belmullet ...	29.40	52	NNE	3	c	29.44	+.01	52	47	0	W	2	bc	#	b, c	#	54	39	0.01
	Donaghadee ...	29.33	49	SSW	3	cp	29.39	+.01	50	47	+ 1	W	3	bc	3	b.cp	#	54	47	0.01
	Liverpool (Bidston)	29.35	54	Z	0	c	29.45	+.06	49	45	+ 1	SW	3	b	3	c.pb	#	55	44	0.09
	Holyhead ...	29.35	51	SW	3	b	29.46	+.07	49	47	− 3	W	4	cp	3	bc.b	#	55	45	0.06
	Parsonstown ...	29.34	48	SE	1	o	29.50	+.09	49	45	− 1	SW	1	c	#	bc.o	7.2	58	36	0.01
	Valencia ...	29.37	51	N	1	bcphrv	29.56	+.20	51	46	− 1	WSW	5	bc	6	op.bqpv	7.4	55	41	0.09
	Roche's Point ..	29.35	47	SSE	1	p	29.55	+.17	52	49	+ 1	WSW	4	bc	3	p	#	54	40	0.10
	Pembroke (St. Ann's Hd.)	29.37	50	SW	3	c	29.56	+.14	51	49	0	WNW	5	b	4	c	9.5	54	45	0.07
	Scilly	29.42	52	W	6	cp	29.65	+.23	52	49	− 1	W	6	cq	5	cp	8.4	57	48	0.20
	Prawle Point ...	29.44	50	SSW	5	cpq	29.66	+.20	51	49	0	SW	5	cpq	4	cpq	#	54	46	0.27
	Jersey (St. Aubin's)	29.55	53	SSW	4	cq	29.78	+.28	55	51	+ 3	SW	5	bcm	4	p.cq	#	58	48	0.12
	Hurst Castle ...	29.49	53	SSW	4	c	29.68	+.25	53	51	0	WSW	5	c	4	bc.c	#	56	47	0.09
	Dungeness ...	29.52	53	SW	5	bc	29.65	+.27	53	51	+ 4	SW	6	c	6	bc	#	56	47	0.06
	North Foreland																#			
	London (Brixton) ...	29.48	54	SW	3	c	29.61	+.18	55	49	+ 7	SW	4	c	#	r.bc.op	5.3	61	47	0.09
	Oxford	29.45	49	S	3	bc	29.59	+.16	51	46	+ 3	SW	3	c	#	p.bc	#	60	45	0.26
	Cambridge ...														#					
	Yarmouth ...	29.43	52	WSW	2	c	29.52	+.17	53	49	+ 2	SW	5	c	4	c.b	#	54	46	0.19
	Cuxhaven ...	29.43	63	SW	2	r	29.71	+.19	57	52	− 2	SW	4	bc	#	r	#	64	46	0.16
	Berlin	29.50	71	SE	3	c	29.86	+.20	57	52	− 8	NW	4	b	#	c	#	82	55	—
	Wiesbaden ...	#	#	#	#	#	29.97	+.37	55	50	− 6	SW	5	o	#	#	#	72	50	0.28
	Munich... ..	29.72	65	W	5	o	30.09	+.36	52	49	− 6	SW	5	o	#	o	#	72	46	0.20
	The Helder ...	29.48	51	SW	2	b	29.63	+.21	52	49	− 6	SW	5	bc	2	b	#	64	45	—
BELGIUM.	Brussels ...	#	#	#	#	#	29.81	+.36	53	49	− 6	SW	5	c	#	r	#	63	46	0.32
	Cape Gris Nez.																#			
	Paris	29.69	54	S	3	b	29.90	+.45	52	49	+ 6	SSW	4	bc	#	b	#	63	47	—
	Brest	29.56	54	SW	4	c	29.75	+.25	52	50	+ 2	W	4	c	4	c	#	55	45	0.04
	Lorient... ...	29.63	55	W	5	c	29.84	+.29	54	51	+ 2	W	5	bc	6	c	#	59	48	0.08
FRANCE &	Rochefort ...	29.76	59	WSW	5	bc	29.92	+.31	56	53	+ 3	SW	5	b	#	c.bc	#	63	46	0.08
	Belfort	29.88	48	Z	0	c	30.04	+.49	50	46	− 5	W	4	b	#	c	#	69	44	0.35
	Lyons	29.88	51	E	1	r	30.10	+.55	51	48	− 14	E	1	b	#	r	#	68	41	0.71
	Nice	29.81	55	E	6	r	29.93	+.16	61	57	+ 4	NNE	1	b	3	r	#	70	54	0.47
	Perpignan ...	29.88	59	NW	4	o	30.13	+.50	59	53	− 3	Z	0	b	#	o	#	66	45	0.08
	Biarritz ...	29.90	59	WSW	3	b	30.06	+.41	57	52	+ 3	SSE	2	bc	4	b	#	61	50	0.20
PENIN-SULA.	Corunna ...																#			
	Lisbon	30.27	58	NNW	3	o	30.30	+.26	61	56	+ 1	S	3	bc	#	o	#	63	55	—
	Azores (P. Delgada)	30.18	59	SW	4	c	30.05	−.17	61	58	+ 2	SSW	5	c	4	c	#	66	57	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

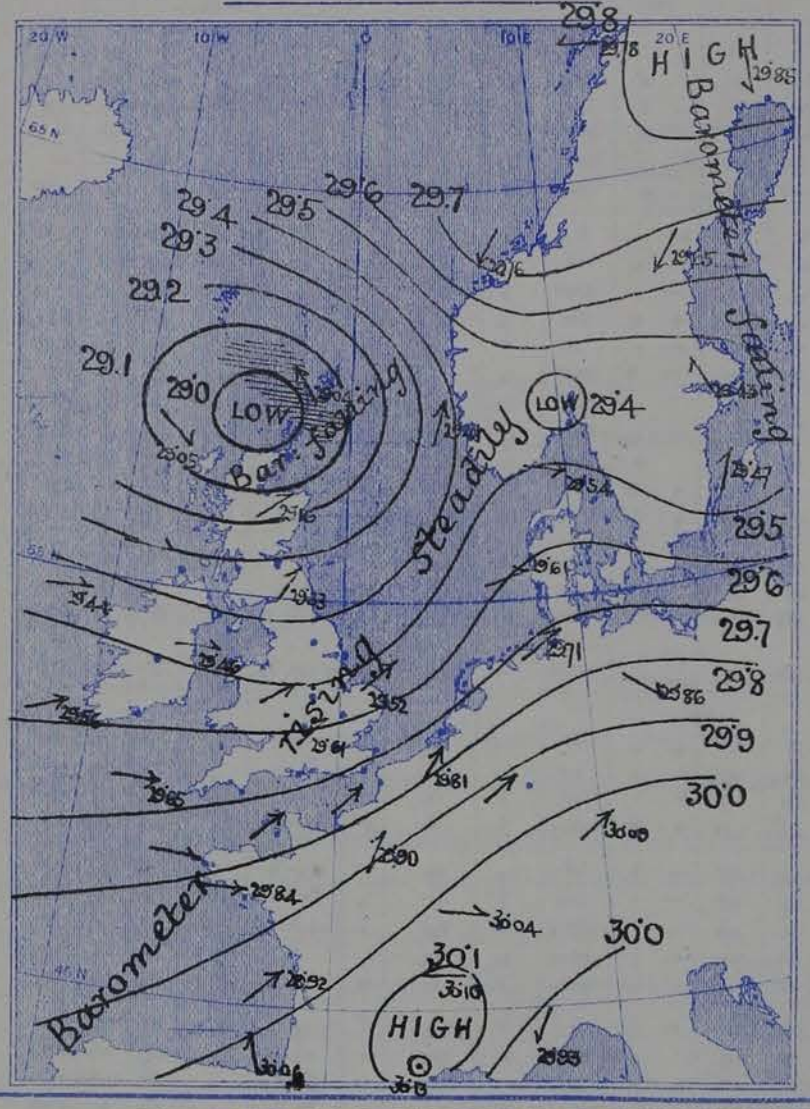
Bright Sunshine yesterday Southport 3.7 hrs;

WEATHER CHARTS

FOR Tuesday, 16th May, 1899.

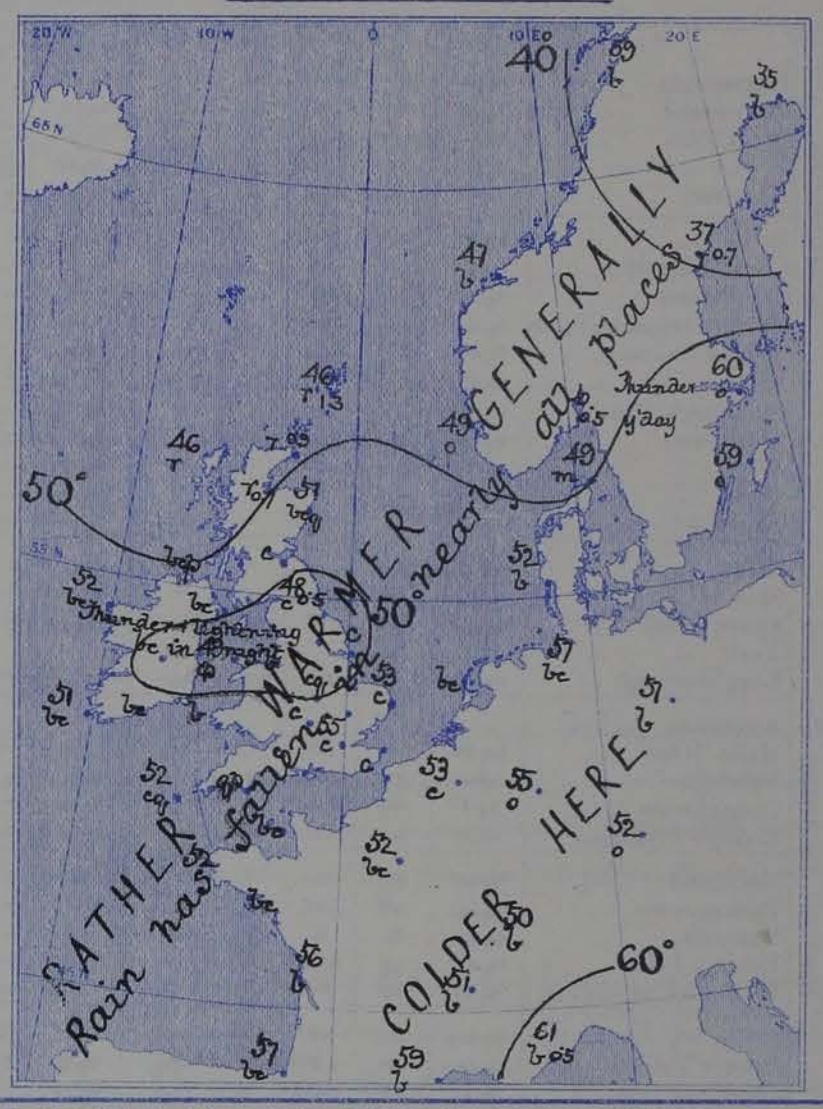
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—Rough ▤ : *High* ▤



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	36	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1889	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. to 30.1 ins. and upwards over the S.rn parts of France and Germany; 29.8 ins. and upwards over Lapland.
Lowest 29.0 ins. and less in a well marked depression with its centre lying off the N. of Scotland, 29. and less in another disturbance over the Christiania Fiord.
Gradients moderate or slight generally, but rather steep over the N.rn parts of the North Sea.
Barometer falling in the extreme N. of Scotland, and also in Sweden, but rising elsewhere.

TEMPERATURE

Highest (1) 61° at Nice and 59° at Perpignan; (2) 60° at Stockholm, and 59° at Wisby, – highest in our Islands 55° in London and at Jersey.
Lowest (1) 35° at Haparanda, 37° at Hernösand, and 39° at Bodö; (2) 45° at Wick, and 46° at Sumburgh Head, Stornoway and Nairn.
During yesterday the thermometer rose to 55° and upwards at most of our W.rn and S.rn stations, to 60° at Oxford, and to 61° in London; on some parts of our N. and NE. coasts it did not exceed 50°.

WIND

Moderate to fresh from the SW.wd or W.wd over western Europe as a whole, but strong at some of the English Channel stations and also in the south of Norway.
SE.ly in the Shetlands; NE.ly over the northern parts of Scandinavia; light and variable in the south of France.

WEATHER

Fine over France and the Netherlands, and also over the greater part of England and Ireland, but showery at some of our W.rn and S.rn stations.
Rainy in the N. of Scotland; dull in Sweden and the S. of Norway, with rain at Hernösand.
Rain fell yesterday in nearly all parts of our area, the largest amounts being 1.3 in. at Sumburgh H., 0.9 in. at Wick, and 0.7 in. at Nairn and also at Hernösand. Thunder and lightning occurred over the N.rn parts of England and Ireland, as well as at Karlstad.

SEA

Rough or rather so on several of the more exposed parts of our S.rn coasts and also at Sumburgh H., moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday in the N. has become more clearly defined, but is now moving away from our N.rn coasts, apparently in a NW.ly direction. Fresh disturbances are likely to appear shortly in the W. or SW.

FORECASTS

For the 24 hours ending at NOON on 17TH MAY 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W.ly winds, backing later to S. or SE; rainy at first, then fair.
1 SCOTLAND EAST	SW.ly winds, moderate or fresh; changeable, some showers, possibly thunder.
2 ENGLAND N.E.	
3 ENGLAND EAST	
4 MIDLAND COUNTIES	SW.ly and W.ly winds, fresh; fair generally, but thundershowers locally.
5 ENGLAND SOUTH	
6 SCOTLAND WEST	W.ly winds, backing later to SW. or S; fine at first, then cloudy, probably some rain.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.43	52	49	ENE	4	r	2
Sumburgh Head	29.41	46	46	ENE	3	r	5
Stornoway	29.36	55	51	E	2	b	2
Aberdeen	29.30	47	46	NW	4	orgq	3
Shields	29.31	47	47	NNE	1	r	2
Ardrossan							
Malin Head ...	29.34	52	50	NNE	1	b	0
Belmullet	29.40	52	46	NNE	3	c	*
Holyhead ...	29.36	55	49	SW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.34	48	45	WNW	2	op	4
Scilly	29.38	52	50	SSW	4	cp	2
Jersey	29.53	56	52	SW	4	c	3
Hurst Castle ...	29.48	56	52	SW	4	bc	3
Dungeness ...	29.46	55	52	WSW	5	bc	4
North Foreland							
London (Westminster)	29.41	59	52	SW	4	bc	*
Yarmouth ...	29.36	50	48	W	3	c	2
Rochefort ...	29.69	60	53	WSW	5	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine on several parts of our own W^rn and S^rn coasts, but dull and unsettled over W^rn Europe as a whole; fog reported on the N. and E. coasts of Gt. Britain, and rain in many parts of England and France, as well as in the S. of Norway and in Finland. Fine over Austria, Greece and the S^rn parts of Russia and Italy; dull in Spain, with rain at Madrid. Improvement taking place later over England, but rain falling in Scotland and at most of the Continental stations, thunder and lightning occurring over the N^rn parts of Ireland, England & also at Karlsta

Temperature changed rather irregularly in the W^rn countries, risen elsewhere. Morning readings highest 74° at Palermo and Athens, and 72° at Patras and Algiers; above 65° at most of the Mediterranean and Spanish coast stations. Lowest 28° at Archangel, 35° at Haparanda, 36° at Uleaborg, and 39° at Thorpio; lowest in our Islands 43° at Nairn. Daily maxima below 50° on some parts of our own extreme N^rn coasts; thermometer exceeding 55° in the W. and S. and reaching 61° in London. Rising above 65° in the S of France, & above 70° in Germany; reaching 82° at Berlin.

Wind light from the SW^wd over the greater part of England, and from the SE^wd in Ireland, but variable on our East coasts; E^ly or NE^ly in the north of Scotland and also in Norway. W^ly over the Spanish Peninsula and the Bay of Biscay; S^ly over central France and the Netherlands, SE^ly over north Germany, Denmark and the Baltic. Variable over Austria and Italy. Subsequently shifting to the N^wd in the west of Ireland, no important change occurring elsewhe

Barometer highest 30.3 ins. and upwards in an anticyclone over Russia, 30.0 ins. and upwards in another system off the SW. of Spain. Lowest 29.4 ins. and less in a shallow depression off the S. of Ireland, and also in a large and complex area covering the N^rn and E^rn parts of our Islands. Irish depression subsequent advancing NE^wds but filling up; northern disturbance moving N^wds and becoming more clearly defined.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 17th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.86	34	NE	4	b	29.91	+.06	32	31	-3	NE	4	c	#	b	#	39	27	-
	Hernösand ...	29.67	35	NE	4	s	29.83	+.18	37	35	0	NE	2	o	#	s	#	37	32	0.67
	Stockholm ...	29.72	54	W	6	b	29.89	+.46	55	50	-5	WSW	4	c	#	b	#	61	46	-
	Wisby	29.88	50	WSW	4	b	29.97	+.50	51	47	-8	WSW	4	b	#	b	#	59	45	-
	Karlstad ...	29.69	49	SSW	4	b	29.81	+.38	48	46	0	SW	2	b	#	b	#	#	#	0.04
	Bodö	29.77	41	ENE	4	b	29.81	+.03	37	32	-2	E	4	o	2	b	#	44	34	-
	Christiansund ...	29.46	47	WSW	2	o	29.60	-.16	49	44	+2	WSW	3	c	3	o	#	48	43	0.20
	Skudesnaes ...	29.49	47	S	6	o	29.59	+.18	48	46	-1	S	6	o	4	c, o	#	51	45	#
	Færder (Christiania Fjord)	29.63	49	S	5	m	29.77	+.38	50	48	+1	SSW	4	m	3	m	#	50	46	-
	Skagen (The Scaw)	29.69	49	SW	3	o	29.83	+.29	48	46	-1	SW	2	m	0	o	#	57	45	0.28
	Fanö	29.80	50	WSW	4	b	29.86	+.22	51	49	-1	WSW	5	b	#	b	#	59	50	-
BRITISH ISLANDS.	Sumburgh Head	29.17	47	SE	4	p	29.18	+.14	46	45	0	SE	4	r	6	op	#	49	43	0.25
	Stornoway ...	29.04	49	NW	4	†	29.19	+.14	48	47	+2	NW	4	o	4	or	0.9	49	42	1.00
	Wick	29.10	46	SW	4	o	29.15	+.18	49	46	+4	SW	5	o	3	o	#	50	43	0.23
	Nairn	29.12	49	W	4	o	29.20	+.14	51	47	+5	W	4	c	2	o	#	51	43	0.12
	Aberdeen ...	29.25	52	SW	5	cq	29.30	+.14	49	45	-2	SW	5	cq	4	p.bc, q	5.3	58	46	0.01
	Leith	29.36	53	WSW	2	o	29.38	+.14	50	46	-2	WSW	3	o	#	o	#	58	45	0.04
	Shields	29.47	53	SW	4	c	29.48	+.15	48	47	0	SSW	3	c	2	c, r	#	58	45	0.01
	Spurn Head ...	29.59	54	SW	5	c	29.51	+.11	50	49	+1	S	4	p	4	bc, tlr	#	58	47	0.50
	York														#					
	Loughborough ...	29.65	51	W	1	c	29.56	+.09	52	49	+4	SW	5	ogqp	#	cq, p.bc	#	61	47	0.47
	Ardrossan ...																#			
	Malin Head ...	29.34	50	W	6	bcp	29.41	+.09	48	46	-2	WSW	6	cp	4	bc, bcp	#	53	46	0.30
	Belmullet ...	29.52	52	WSW	4	bc	29.67	+.23	48	47	-4	W	4	o	#	bc	#	55	45	0.07
	Donaghadee ...	29.42	53	WNW	3	bc	29.50	+.11	49	47	-1	W	5	cq	4	b, bc	#	60	48	0.08
	Liverpool (Bidston)	29.59	52	WSW	4	bc	29.61	+.16	50	46	+1	W	4	c	5	bc, p	#	57	44	0.16
	Holyhead ...	29.56	52	SW	6	bcp	29.64	+.18	52	48	+3	WSW	4	cp	3	c, bcp	#	54	44	0.19
	Parsonstown ...	29.56	53	W	2	c	29.67	+.17	51	46	+2	W	2	b	#	cp	1.0	55	43	0.05
	Valencia ...	29.60	51	SW	2	ov	29.77	+.21	52	47	+1	SW	5	bc	5	bc, ov	7.7	55	46	0.03
	Roche's Point ..	29.64	52	WSW	4	c	29.77	+.22	52	48	0	W	4	b	3	c, p	#	54	44	0.20
	Pembroke (St. Ann's Hd.)	29.68	51	WSW	6	c	29.77	+.21	51	48	0	WNW	6	bc	5	b, c, q	11.5	54	45	0.27
	Scilly	29.76	54	SSW	5	c	29.87	+.22	52	49	0	WSW	5	c	5	cp, tl	8.2	57	48	0.31
	Prawle Point ...	29.82	51	SW	5	bc	29.89	+.23	50	47	-1	SW	5	cqp	4	cqp	#	54	47	0.05
	Jersey (St. Anbin's)	29.92	55	W	5	b	29.98	+.20	53	50	-2	W	4	om	3	bc, b, p	#	57	48	0.13
	Hurst Castle ...	29.84	55	WSW	5	bcm	29.87	+.19	54	51	+1	WSW	6	c	4	bcm, qp	#	56	52	0.03
	Dungeness ...	29.80	54	SW	7	b	29.81	+.16	54	52	+1	SW	7	cq	6	b	#	57	51	0.01
	North Foreland																#			
	London (Brixton) ...	29.78	53	WSW	3	cp	29.74	+.13	53	48	-2	WSW	6	cq	#	tlp, qp	6.0	62	48	0.22
	Oxford	29.78	50	SW	5	p	29.74	+.17	52	46	+1	W	7	oqp	#	oqp	#	59	48	0.20
	Cambridge ...														#					
	Yarmouth ...	29.67	56	SW	5	bc	29.63	+.11	53	49	0	SW	7	or q	5	bc, tlp, bc	#	60	47	0.14
GERMANY & HOLLAND.	Cuxhaven ...	29.82	56	SW	3	bc	29.94	+.23	52	49	-5	SW	4	b	#	qp tl	#	59	46	0.20
	Berlin	29.98	61	SW	2	b	30.12	+.26	57	52	0	SW	3	b	#	b	#	70	50	-
	Wiesbaden ...	*	*	*	*	*	30.15	+.18	56	52	+1	SW	4	b	#	*	#	63	45	-
	Munich... ..	30.17	54	W	2	o	30.26	+.17	56	51	+4	SE	2	b	#	o	#	59	45	-
	The Helder ...	29.77	51	SW	5	b	29.80	+.17	55	50	+3	S	3	bc	?	b	#	55	50	-
BELGIUM.	Brussels ...	*	*	*	*	*	29.97	+.16	56	52	+3	SSW	6	c	#	b	#	61	44	0.04
	Cape Gris Nez...	29.83	53	W	6	b	29.82		53	51		SW	6	o	6	b	#	55	48	0.08
	Paris	30.00	60	WSW	2	bc	30.09	+.19	53	50	+1	SW	3	bc	#	bc	#	66	45	0.20
	Brest	29.90	56	SSW	4	c	29.95	+.20	51	50	-1	NW	2	c	4	c	#	57	46	0.04
	Lorient... ...	30.00	57	SW	5	bc	30.01	+.17	57	55	+3	WSW	5	bc	5	bc	#	63	48	-
FRANCE &	Rochefort ...	30.06	59	WSW	4	b	30.10	+.18	58	55	+2	SW	3	bc	#	b	#	63	54	-
	Belfort	30.07	58	WSW	1	b	30.18	+.14	54	49	+4	W	2	m	#	b	#	63	43	-
	Lyons	30.11	61	ESE	1	bc	30.21	+.11	59	51	+8	S	1	b	#	bc	#	68	46	-
	Nice	30.00	60	SE	3	b	30.12	+.19	59	55	-2	E	2	b	1	b	#	70	52	-
	Perpignan ...	30.12	66	S	1	o	30.20	+.07	62	56	+3	W	0	b	#	o	#	72	50	-
	Biarritz ...	30.06	63	NNE	4	b	30.10	+.04	59	54	+2	SSW	3	b	4	b	#	64	55	-
PENINSULA.	Corunna ...																#			
	Lisbon	30.21	60	WNW	2	b	30.15	-.15	61	57	0	E	1	o	#	b	#	66	55	-
	Azores (P. Delgada)																#			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

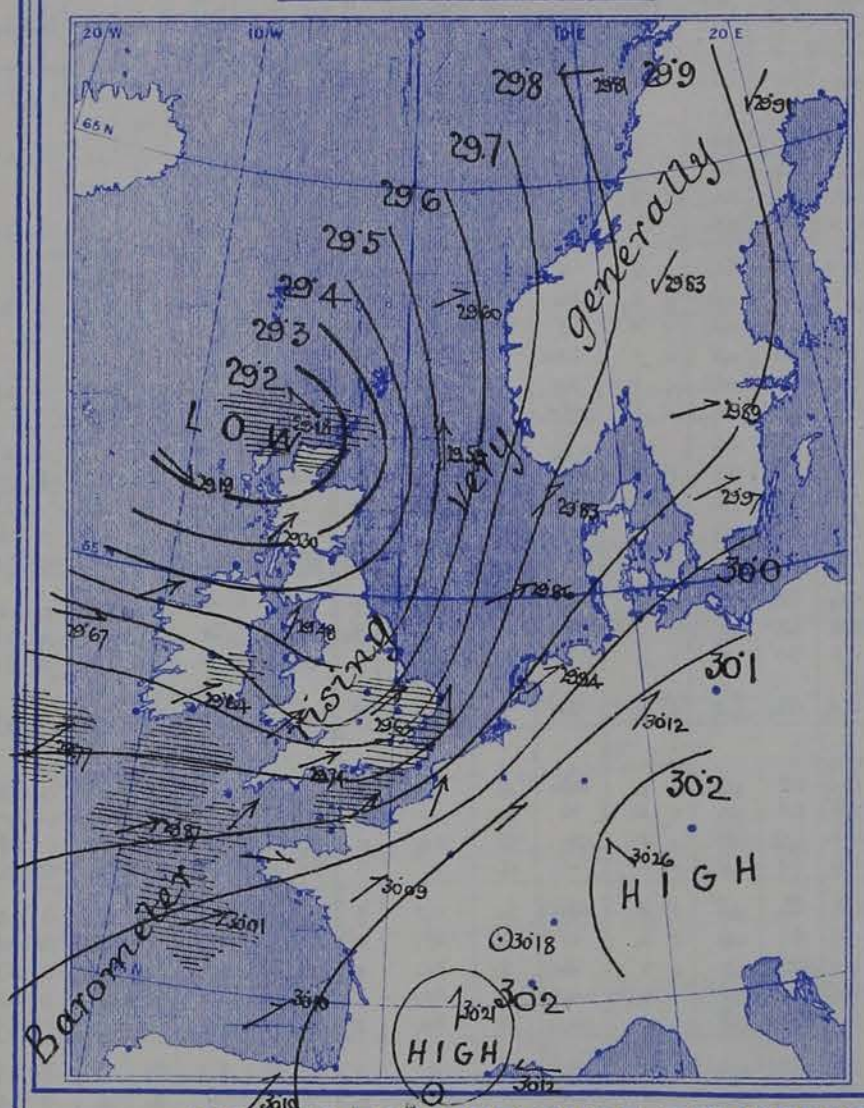
Bright Sunshine yesterday Southport 8.5 *hrs;*

WEATHER CHARTS

FOR Wednesday, 17th May. 1899.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 in: to 30·2 in: and upwards in an anticyclone lying over Germany and the central and southern parts of France.
Lowest, 29·2 in: and less, in a depression with its centre off the north of Scotland.
Gradients rather steep over the greater part of our Islands and the North Sea, moderate or slight elsewhere.
Barometer rising generally.

TEMPERATURE

Highest, 62° at Perpignan, 59° at Lyons, Nice, and Biarritz, 58° at Rochefort, and 57° at Brest and Belfast.
Lowest, 32° at Haparanda, 37° at Hernösand and Bodö, 46° at Sumburgh Head, and 48° at Stornoway, Shields, Rudemnes, and Karlstad.
During yesterday the thermometer rose to between 55° and 60° in most parts of the United Kingdom, to 61° at Loughborough and to 62° in London.

WIND

SW to W over the United Kingdom as a whole, and strong in force on many parts of the English and Irish coasts.
Light to fresh from the S and SW at most of the Continental stations, but E or NE in the northern parts of Scandinavia.
A fresh to strong gale from the SW was experienced last night in the English Channel.

WEATHER

Changeable and showery over the greater part of our Islands, but fine at most of the southwestern stations.
Fine over the western parts of the Continent generally, but cloudy or dull in the north of Scandinavia.
Rain fell yesterday over nearly the whole of northwestern Europe, the largest amounts being 1·0 inch at Stornoway, 0·7 in: at Hernösand, and 0·5 in: at Spurn Head and Loughborough. Thunder and lightning occurred in many parts of England, as well as at Flushavern. Lunar halos were seen in London and at Oxford.

SEA

Rough at Sumburgh Head, Dungeness, and Cape Gris Nez, and rather rough on all the more exposed parts of our western and southern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the north of Scotland has remained almost stationary, but in the course of the night a small secondary system has moved quickly northeastwards across England. The barometer is at present rising generally, but the wind appears to be backing again on our extreme southwest coasts, so that further secondary disturbances are probably advancing towards that region.

FORECASTS

For the 24 hours ending at NOON on 18TH MAY, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W and SW winds, fresh; cloudy, some showers.
1 SCOTLAND EAST 2 ENGLAND N.E. 3 ENGLAND EAST	S and SW winds, fresh; changeable, some showers, thunder locally.
4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW and W winds, strong, squally, some showers, thunder locally.
6 SCOTLAND WEST 7 ENGLAND N.W.	SW and W winds, fresh; changeable, some showers, thunder locally.
8 ENGLAND S.W.	SW to W winds, strong, perhaps a gale; squally, showery.
9 IRELAND NORTH 10 IRELAND SOUTH	SW to W winds, fresh or strong; squally, showery.

WARNINGS At 7·20 pm yesterday to districts 5 and 8 "Hoist South Cone"

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.47	51	48	S S E	6	c	4
Sumburgh Head	29.14	47	46	SE	4	op	6
Stornoway	28.98	49	48	NW	4	r	4
Aberdeen	29.20	57	47	SW	5	bc q	3
Shields	29.40	50	48	SW	3	c	2
Ardrossan							
Malin Head ...	29.33	53	49	W	5	bc	3
Belmullet	29.50	52	48	W	4	bc	*
Holyhead	29.55	54	51	SW	6	c	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.62	53	47	WSW	5	bc	5
Scilly	29.76	55	52	WSW	5	cp	5
Jersey	29.88	56	51	SW	5	bc	4
Hurst Castle ...	29.76	56	53	WSW	6	bc	4
Dungeness ...	29.76	56	53	SW	7	b	6
North Foreland							
London (Westminster)	29.71	55	51	SW	3	cptl	*
Yarmouth ...	29.63	59	56	SW	4	bc	4
Rochefort ...	30.02	62	56	WSW	5	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS : For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 18th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.96	34	NE	0	b	29.95	+.04	34	31	+ 2	NE	0	0	*	b	*	36	25	-
	Hernösand ...	29.95	38	E	2	0	29.90	+.07	35	32	- 2	NE	0	0	*	0	*	37	32	1.62
	Stockholm ...	29.92	52	SSW	2	b	29.86	-.03	50	48	- 5	SSW	4	0	*	b	*	63	45	0.08
	Wisby	29.98	49	S	4	b	29.97	.00	48	46	- 3	W	8	b	*	b	*	59	43	0.08
	Karlstad ...	29.84	49	S	2	bc	29.82	+.01	48	46	0	SSW	4	0	*	bc.r	*	*	*	0.20
	Bodö	29.85	37	E	4	0	29.82	+.01	40	35	+ 3	E	4	b	1	0	*	45	32	-
	Christiansund ...	29.65	53	SW	1	b	29.65	+.05	54	46	+ 5	W	1	c	2	b	*	59	46	-
	Skudesnaes ...	29.58	48	NW	4	r	29.77	+.18	48	46	0	SSW	4	c	3	0,r	*	48	45	*
	Færder (Christiania Fjord)	29.75	48	SE	4	r	29.82	+.05	51	48	+ 1	WSW	6	b	3	r	*	52	48	0.12
	Skagen (The Scaw)	29.73	49	S	4	m	29.93	+.10	52	49	+ 4	WSW	5	b	1	m	*	54	45	0.28
	Fanö	29.83	50	W	4	b	30.04	+.18	51	50	0	WSW	4	b	*	b	*	59	50	0.04
	Sumburgh Head	29.25	47	S	4	b	29.49	+.31	47	46	+ 1	SW	4	0	6	0,b	*	50	42	0.11
	Stornoway ...	29.37	48	NW	5	0	29.54	+.35	47	46	- 1	WSW	3	r	3	p.0	1.6	49	42	0.30
	Wick	29.37	45	SW	5	c	29.59	+.44	50	48	+ 1	SW	3	bc	2	c	*	50	42	0.02
	Nairn	29.41	53	W	4	bc	29.60	+.40	50	45	- 1	W	2	bc	1	bc	*	57	38	0.02
	Aberdeen ...	29.44	57	SW	4	bq	29.67	+.37	47	44	- 2	SSW	3	0	2	cq.bq	8.8	59	42	0.01
BRITISH ISLANDS.	Leith	29.57	51	WSW	4	c	29.66	+.28	49	46	- 1	SSW	1	r	*	c	*	56	45	0.01
	Shields	29.66	53	SW	4	cp	29.70	+.22	49	48	+ 1	SSE	3	0p	2	c.cp	*	57	46	0.01
	Spurn Head ...	29.78	55	WSW	5	bc	29.81	+.30	57	54	+ 7	S	4	c	4	bcq	*	58	46	0.04
	York														*					
	Loughborough ...	29.84	57	WSW	3	bc	29.84	+.28	56	53	+ 4	S	3	c	*	pqbc.c	*	61	46	0.02
	Ardrossan ...																*			
	Malin Head ...	29.60	50	WSW	4	bcp	29.56	+.15	44	44	- 4	SSE	3	r	2	0,bcp	*	50	44	0.17
	Belmullet ...	29.72	51	W	2	bc	?	?	47	45	- 1	?	2	0	*	cp.bc	*	52	43	0.00
	Donaghadee ...	29.66	55	W	4	cq	29.59	+.09	46	45	- 3	SE	4	r	4	cq	*	56	45	0.30
	Liverpool (Bidston)	29.79	55	SW	4	b	29.69	+.08	57	52	+ 7	SSE	3	0	4	r.b	*	57	47	-
	Holyhead ...	29.78	51	SW	5	cp	29.62	-.02	53	52	+ 1	S	7	rq	5	cp	*	54	46	0.14
	Parsonstown ...	29.73	54	W	1	0	29.44	-.23	49	48	- 2	NW	1	r	*	b.or	9.5	52	44	1.00
	Valencia ...	29.74	53	SSE	2	r	29.50	-.27	51	47	- 1	N	4	c	4	c.r	6.4	56	44	1.36
	Roche's Point ..	29.78	51	SW	4	r	29.48	-.29	54	54	+ 2	SSW	6	r	5	0.r	*	55	45	0.65
	Pembroke (St. Ann's Hd.)	29.89	49	WSW	3	r	29.65	-.12	54	52	+ 3	S	6	0	5	bc.rq	8.5	54	46	0.14
	Scilly	29.86	56	S	4	om	29.64	-.23	54	54	+ 2	S	7	mp	4	c.om	2.9	57	49	0.01
	Prawle Point ...	29.93	52	SSW	3	0	29.83	-.06	52	50	+ 2	S	4	cp	4	0	*	54	50	0.01
	Jersey (St. Aubin's)	30.00	57	SE	2	oq	29.93	-.05	58	55	+ 5	SSE	3	oq	3	c.oq	*	59	48	-
	Hurst Castle ...	29.97	54	SSW	3	c	29.91	+.04	57	55	+ 3	S	3	cq	2	c	*	57	53	-
	Dungeness ...	29.97	53	SW	4	c	29.92	+.11	56	54	+ 2	SSW	3	c	3	bc.c	*	58	51	-
	North Foreland																*			
	London (Brixton) ...	29.93	56	WSW	3	c	29.94	+.20	58	54	+ 5	S	2	0	*	c.b	5.1	63	49	-
	Oxford	29.93	53	SSW	2	0	29.88	+.14	56	53	+ 4	S	3	m	*	0.c	*	60	50	-
	Cambridge ...														*					
	Yarmouth ...	29.85	59	WSW	4	b	29.92	+.29	55	53	+ 2	SSE	4	b	4	b	*	60	48	-
GERMANY & HOLLAND.	Cuxhaven ...	29.91	56	WSW	5	b	30.08	+.14	56	52	+ 4	SW	3	b	*	qr.b	*	59	45	0.12
	Berlin	30.24	54	SW	2	c	30.20	+.08	59	55	+ 2	SW	3	0	*	c	*	72	54	-
	Wiesbaden ...	*	*	*	*	*	30.19	+.04	55	51	- 1	S	3	b	*	*	*	66	46	-
	Munich... ..	30.20	56	SE	2	b	30.25	.00	57	53	+ 1	E	3	b	*	b	*	64	43	-
	The Helder ...	29.95	52	SW	3	b	30.03	+.23	54	53	- 1	SSW	1	c	1	b	*	57	46	-
BELGIUM.	Brussels ...	*	*	*	*	*	30.06	+.09	64	58	+ 8	SSE	3	c	*	0	*	64	50	0.014
	Cape Gris Nez...	30.00	53	SW	5	c	29.98	+.16	57	54	+ 4	S	2	c	2	c	*	57	50	-
	Paris	30.04	66	SW	2	b	30.05	-.04	60	54	+ 7	SSE	2	bc	*	bc	*	69	46	-
	Brest	29.97	57	SSW	3	bc	29.84	-.11	56	?	+ 5	S	4	c	4	bc	*	?	51	?0.04
	Lorient... ...	30.03	58	SSW	4	bc	29.93	-.08	56	54	- 1	SSE	4	c	5	bc	*	64	52	-
FRANCE &	Rochefort ...	30.04	63	NE	2	bc	29.96	-.14	60	56	+ 2	E	3	0	*	b,bc	*	70	54	-
	Belfort	30.10	66	SW	2	b	30.13	-.05	58	51	+ 4	E	3	m	*	b	*	68	44	-
	Lyons ...	30.12	66	E	1	b	30.13	-.08	61	55	+ 2	SE	1	b	*	b	*	70	49	-
	Nice	30.10	62	SW	2	b	30.08	-.04	68	59	+ 9	W	0	b	1	b	*	68	54	-
	Perpignan ...	30.10	70	SE	2	b	30.06	-.14	63	60	+ 1	NE	2	0	*	b	*	76	52	-
	Biarritz ...	29.99	65	NW	2	c	29.99	-.11	66	59	+ 7	SSE	4	c	2	c	*	66	59	-
PENINSULA.	Corunna ...																*			
	Lisbon	30.13	60	WSW	3	b	30.17	+.02	64	60	+ 3	SSW	4	bc	*	b	*	?	59	-
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

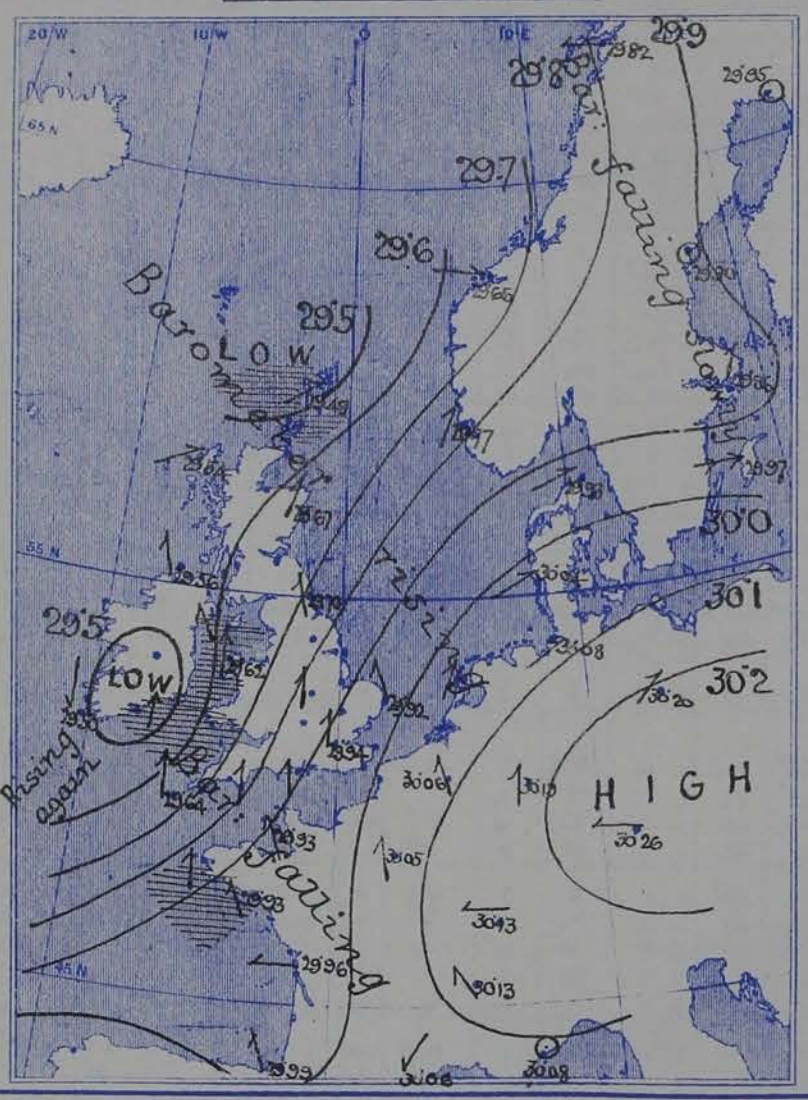
Bright Sunshine yesterday Southport 6·6 hrs.

WEATHER CHARTS

FOR Thursday, 18th May, 1899.

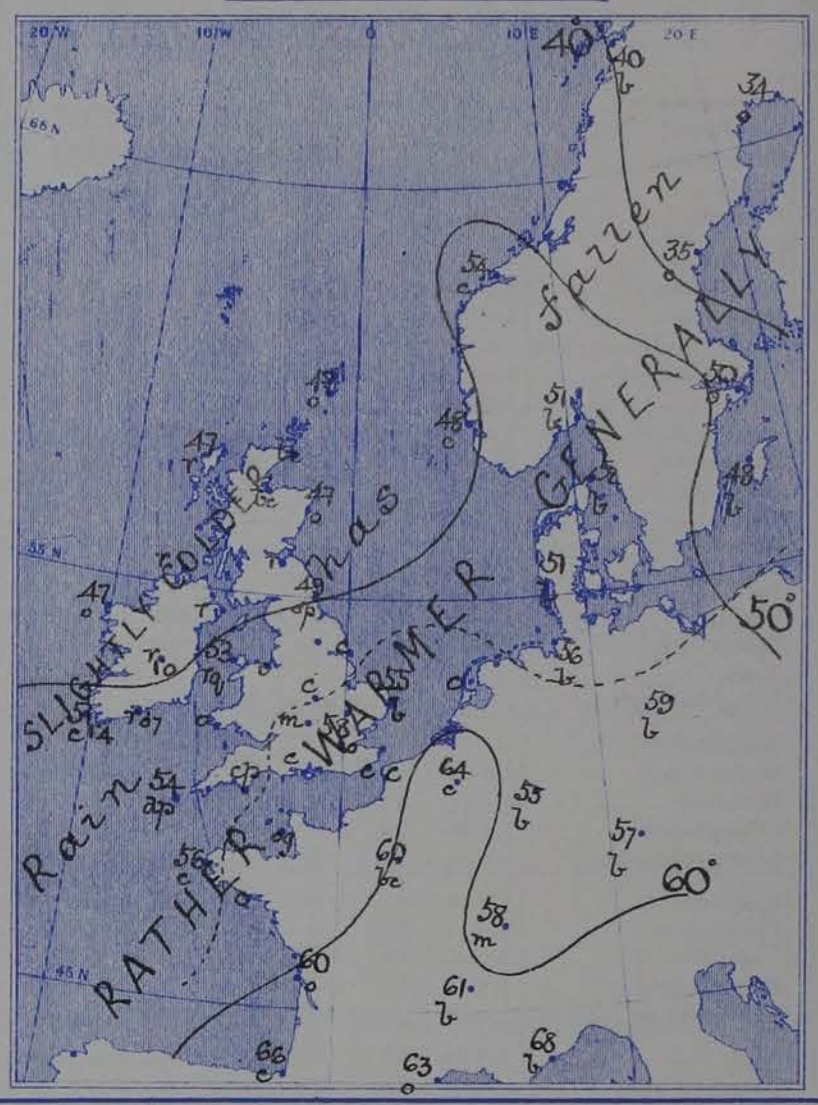
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29·956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29·941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66		—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29·984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards in an anticyclone lying over Germany; 30·1 in: and upwards in another anticyclone over the southern parts of the Spanish Peninsula.
Lowest, 29·5 in: and less, in two depressions – one lying over the south of Ireland and the other off the north of Scotland.
Gradients moderate or slight generally, but rather steep over Wales and the southwest of England.
Barometer falling in the western parts of our Islands and France generally, but rising again at Valencia (Ireland), rising on our Eastern coasts.

TEMPERATURE

Highest 66° at Nice, 66° at Biarritz and Lisbon and 63° at Perpignan; highest in our Islands 58° in London and at Jersey.
Lowest, (1) 34° at Haparanda, 35° at Hernösand and 40° at Bodö; (2) 44° at Malin Head and 46° at Donaghadee.
During yesterday the thermometer rose to between 55° and 60° in most parts of the United Kingdom, to 61° at Loughborough and to 63° in London.

WIND

S. over England and Wales, and very strong in the west; SE. in the north of Ireland, N. at Valencia.
SW. in the north of Scotland and also on the Eastern shores of the North Sea; blowing a gale from W. at Wick, but calm in the Gulf of Bothnia.
Light from the SE. and over the greater part of France.

WEATHER

Cloudy or dull in most parts of the United Kingdom, with rain at several of our western and northern stations.
Dull also in the west of France and in Sweden, but fine over the western parts of the Continent as a whole.
Since yesterday morning rain has fallen at most of our western and northern stations, – heavily in the south of Ireland.
At Valencia the fall amounted to ·4 inch.

SEA

Rough at Scarborough Head and rather rough in the St. Georges Channel, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the south of Ireland seems likely to travel in a northerly or north-northeasterly direction.
Freshening S. winds and showery weather are probable in our Eastern districts, with thunder in places.

FORECASTS

For the 24 hours ending at NOON on 19TH MAY, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	SW. to S. winds, freshening; cloudy, rain at times.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Same as No 5
⚠ 5 ENGLAND SOUTH	S. winds, freshening considerably; cloudy, showery, thunder locally.
6 SCOTLAND WEST	S. and SE. winds, moderate; cloudy, rain at times.
7 ENGLAND N.W. ⚠ 8 ENGLAND S.W.	S. to SW. winds, strong; squally, showery.
9 IRELAND NORTH 10 IRELAND SOUTH	Variable breezes, finally W.; rainy at first, some improvement later.
WARNINGS	The SOUTH CONE is still flying in districts 5 and 8.

Note.—The **South Cone**, *point downwards* (⚠), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (⚠), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.63	48	47	S	7	0	3
Sumburgh Head	29.23	48	47	SE	4	0	6
Stornoway	29.28	49	48	NW	4	0	4
Aberdeen	29.35	57	49	SW	4	cq	3
Shields	29.56	56	48	SW	4	c	2
Ardrossan							
Malin Head ...	29.56	48	46	WNW	5	0	3
Belmullet	29.70	51	49	W	4	cp	*
Holyhead	29.76	54	49	SW	5	cp	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.79	54	48	SW	3	c	4
Scilly	29.90	54	51	SSE	4	0	4
Jersey	30.02	57	53	WSW	5	c	4
Hurst Castle ...	29.96	56	53	SW	5	c	3
Dungeness ...	29.98	57	54	SW	7	bc	6
North Foreland							
London (Westminster)	29.89	63	54	WSW	4	c	*
Yarmouth ...	29.81	59	55	WSW	5	bcq	4
Rochefort ...	30.08	69	61	NE	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning changeable and showery over our Islands generally, but fine at most of the southwestern stations. Fine in the western and central parts of the Continent; dull in many parts of Scandinavia and northern Russia, with snow at Kuopio, dull also at several of the Spanish, Italian, and Austrian stations, with rain at Lisina and Budapest. Rain falling later in the west and north of our Islands generally, as well as in Denmark and Sweden, — heavily in the south of Ireland and also at Hernösand.

Temperature changed irregularly in our Islands, risen in Spain, France, and Germany, fallen elsewhere. Morning readings highest 77° at Patras, 71° at Athens, and 69° at Brindisi; above 65° at many of the Mediterranean and Adriatic stations. Lowest 27° at Archangel, 30° at Kuopio, and 32° at Haparanda and Ulleaborg. Rising during day to between 55° and 60° in most parts of the United Kingdom and to 63° in London; exceeding 65° in France and Germany, and reaching 72° at Berlin and 76° at Perpignan.

Wind SW³ or W³ in our Islands generally, and strong in force on many parts of the English and Irish coasts. Light to fresh from the S^ward or SW^ward over the western parts of the Continent; E³ or NE³ in the northern parts of Russia and Scandinavia. Light from the NE^ward or E^ward over the Spanish Peninsula, and from the NW^ward or W^ward over Italy & Austria; fresh to strong from the N^ward in Greece. Subsequently backing to the S^ward or SE^ward on our own extreme southwest coasts. Shifting to the N^ward in the southwest of France.

Barometer highest 30·2 ins: and upwards in three areas, lying respectively over the southern parts of France, Germany, and Russia; 30·1 ins: and upwards in an anticyclone covering nearly the whole of Eastern, central, and southern Europe. Lowest 29·2 ins: and less, in a depression with its centre off the north of Scotland; 28·8 ins: and less, in a large area over northern Russia. New depression approaching the southwest of Ireland in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on *Friday, 19th May,* 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.89	34	NE	0	0	29.89	-.06	40	36	+6	NE	0	c	*	0	*	*	27	-
	Hernösand ...	29.91	36	NE	0	f	29.87	-.03	36	35	+1	NE	0	f	*	f	*	39	32	0.12
	Stockholm ...	30.01	53	W	2	b	29.99	+.13	51	50	+1	WSW	2	r	*	b	*	61	45	0.51
	Wisby	30.10	50	SSW	4	b	30.06	+.09	60	53	+12	SSW	4	bc	*	b	*	60	41	-
	Karlstad ...	29.99	?	SW	4	bc	29.78	-.04	53	51	+5	S	4	0	*	bc.r	*	*	*	0.08
	Bodö	29.84	41	NE	2	c	29.76	-.06	42	39	+2	NE	0	c	1	c	*	43	36	-
	Christiansund ...	29.76	49	WSW	2	0	29.34	-.31	49	45	-5	E	5	0	4	l.o	*	54	45	0.24
	Skudesnaes ...	29.76	49	SSE	6	0	29.68	-.09	46	45	-2	SW	8	0	5	c.o	*	49	45	*
	Færder (Christiania Fjord)	29.94	49	S	4	m	29.69	-.13	51	50	0	S	6	0	4	m	*	52	49	0.28
	Skagen (The Scaw)	29.99	50	SW	1	0	29.81	-.12	52	51	0	SW	3	m	0	0	*	59	45	0.08
	Fanö	29.91	60	S	6	c	29.94	-.10	53	51	+2	W	4	0	*	c.t	*	66	51	-
	Sumburgh Head	29.52	47	S	3	0	29.41	-.08	47	46	0	WNW	4	c	6	o,r	*	51	40	0.46
	Stornoway ...	29.50	47	NW	2	r	29.63	-.09	49	47	+2	NW	5	0	5	p.o,r	0.3	50	42	0.45
	Wick	29.45	43	W	4	r	29.61	+.02	52	50	+2	W	5	bc	3	r	*	52	40	0.30
	Nairn	29.47	43	NE	0	r	?29.69	+.09	50	46	0	W	2	c	2	r	*	51	39	0.54
	Aberdeen ...	29.37	46	W	6	o g r q	29.71	+.04	54	46	+7	SW	3	bc	2	o g r q	0.0	55	40	0.55
BRITISH ISLANDS.	Leith	29.41	50	WSW	3	0	29.80	+.14	51	47	+2	WSW	3	bc	*	0	*	60	43	0.69
	Shields	29.49	58	SSW	6	p	29.87	+.17	51	47	+2	SSW	3	c	2	c,p	*	63	44	0.01
	Spurn Head ...	29.62	62	SSW	6	c	29.94	+.13	55	50	-2	SSW	3	c	3	c q	*	65	45	-
	York														*					
	Loughborough ...	29.70	60	SSW	4	0	29.97	+.13	54	49	-2	SSE	2	bc w	*	bc q,o,c	*	68	41	-
	Ardrossan ...																*			
	Malin Head ...	29.60	48	WNW	5	bp	29.74	+.18	49	47	+5	SSW	2	bc	2	r.b.p	*	49	42	0.18
	Belmullet ...	29.73	51	WNW	3	b	29.68	?	49	47	+2	ESE	4	r	*	b	*	53	45	0.02
	Donaghadee ...	29.62	55	NW	4	c q p	29.83	+.24	50	49	+4	S	2	c	1	c q p	*	53	45	0.55
	Liverpool (Bidston)	29.66	48	W	5	0	29.90	+.21	55	50	-2	SSE	2	c	3	bc.cp	*	64	45	0.05
	Holyhead ...	29.71	49	WNW	5	b	29.87	+.25	52	50	-1	S	4	a m	3	r q f a b	*	54	45	0.16
	Parsonstown ...	29.73	55	W	2	r	?29.99	+.25	48	46	-1	SE	1	*	*	c.r	5.0	55	44	0.47
	Valencia ...	29.81	53	WSW	2	0 r	29.50	-.00	56	55	+5	SSE	6	r m	6	bc r,o	8.5	56	47	0.60
	Roche's Point ..	29.78	57	NW	4	bc	29.62	+.14	54	54	0	S	8	r	5	bc.r	*	58	47	0.62
	Pembroke (St. Ann's Hd.)	29.80	52	NW	6	c	29.86	+.21	50	50	-4	SSE	5	r q	5	o,c	1.7	54	50	0.10
	Scilly	29.88	53	W	4	c	29.83	+.19	54	54	0	S	5	m	4	c	2.3	56	50	0.02
	Prawle Point ...	29.88	51	SW	4	bc	29.99	+.16	51	50	-1	S	4	c	3	bc	*	56	48	-
	Jersey (St. Aubin's)	29.95	60	W	4	bc	30.10	+.17	56	54	-2	S	4	c	3	bc	*	65	48	-
	Hurst Castle ...	29.88	54	SW	6	o m	30.04	+.13	54	52	-3	SSW	3	c	3	c.o m	*	61	52	-
	Dungeness ...	29.87	58	WSW	3	c	30.07	+.15	55	52	-1	WSW	4	0	3	c	*	62	51	-
	North Foreland																*			
	London (Brixton) ...	29.83	61	SW	5	bc	30.05	+.11	55	50	-3	SW	2	bc	*	c.p.bc	4.3	72	47	-
	Oxford	29.82	55	S	5	0	30.02	+.14	54	50	-2	S	3	bc	*	c q	*	67	45	-
	Cambridge ...														*					
	Yarmouth ...	29.79	55	SSE	5	b	30.01	+.09	54	51	-1	WSW	2	bc	3	b	*	60	50	-
GERMANY & HOLLAND.	Cuxhaven ...	30.00	63	NW	1	c	29.98	-.10	62	59	+6	WSW	4	c	*	c	*	63	55	-
	Berlin	30.11	69	SSE	2	c	30.09	-.11	66	59	+7	SE	3	b	*	c	*	77	57	-
	Wiesbaden ...	*	*	*	*	*	30.15	-.04	60	55	+5	NE	1	b	*	*	*	73	50	-
	Munich... ..	30.16	60	SE	3	b	30.24	-.02	62	55	+5	W	3	b	*	b	*	72	46	-
	The Helder ...																*			
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	30.13	+.07	55	52	-9	SW	3	0	*	t	*	75	51	0.08
	Cape Gris Nez ...	29.88	60	SW	4	c	30.05	+.07	52	50	-5	WSW	4	0	4	c	*	70	52	-
	Paris	30.02	67	SW	4	0	30.18	+.13	58	54	-2	SW	2	bc	*	0	*	79	50	-
	Brest	29.96	55	SW	3	0	29.99	+.15	55	54	-1	S	2	0	4	0	*	59	50	-
	Lorient... ...	30.02	58	W	5	c	30.10	+.17	56	56	0	SSW	4	c	5	c	*	64	54	-
	Rochefort ...	30.06	63	W	3	b	30.14	+.18	59	57	-1	E	1	m	*	c.b	*	72	54	-
	Belfort	30.04	64	S	2	0	30.18	+.05	59	53	+1	W	3	m	*	0	*	75	51	-
	Lyons	30.05	70	S	1	c	30.21	+.08	65	59	+4	SE	1	b	*	c	*	78	54	-
	Nice	30.10	66	NE	0	c	30.13	+.05	70	57	+2	E	1	b	0	c	*	75	59	-
	Perpignan ...	30.12	66	NE	1	0	30.20	+.14	67	60	+4	SW	1	b	*	0	*	70	54	-
	Biarritz ...	30.06	65	NNE	3	c	30.12	+.13	63	58	-3	SE	2	c	1	c	*	73	55	-
PENINSULA.	Corunna ...																*			
	Lisbon	30.22	62	W	2	bc	30.28	+.11	64	60	0	NNE	2	bc	*	bc	*	70	61	-
	Azores (P. Delgada)	29.96	63	SW	5	b	30.05	+.17	64	63	0	SSW	5	0	4	b	*	68	63	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

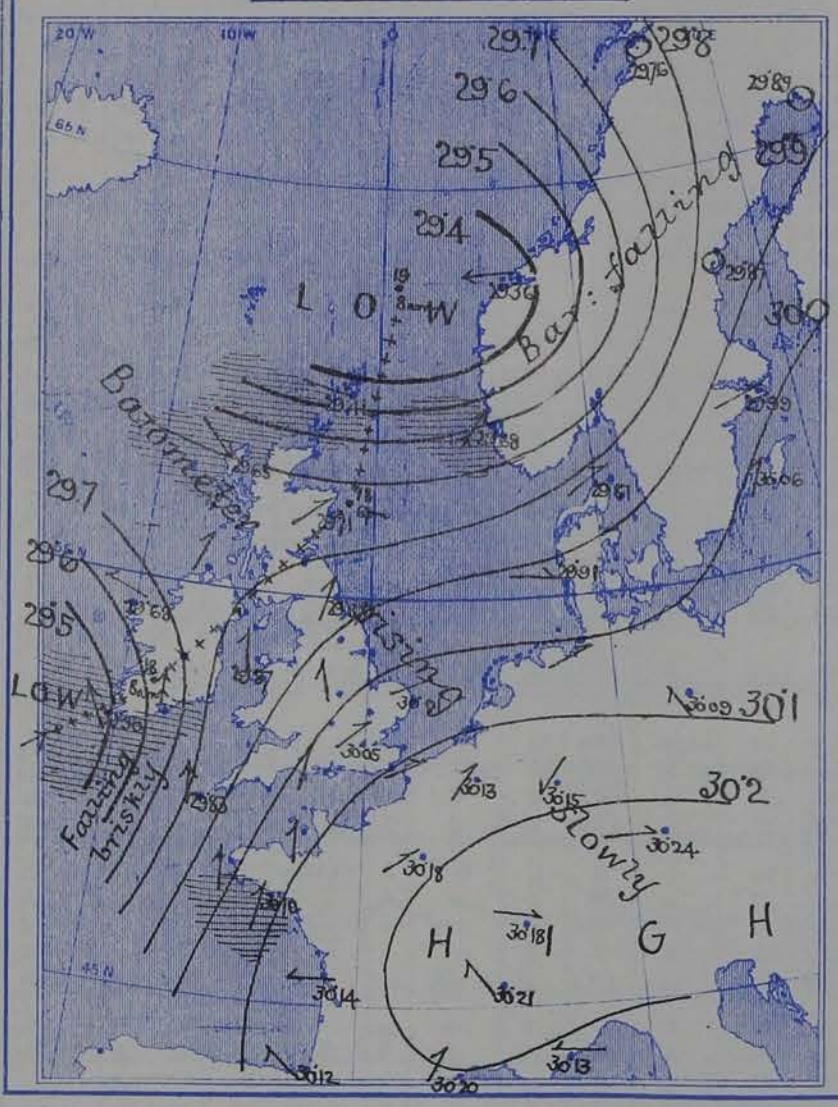
Bright Sunshine yesterday Southport 0.6 hrs;

WEATHER CHARTS

FOR Friday, 19th May, 1899.

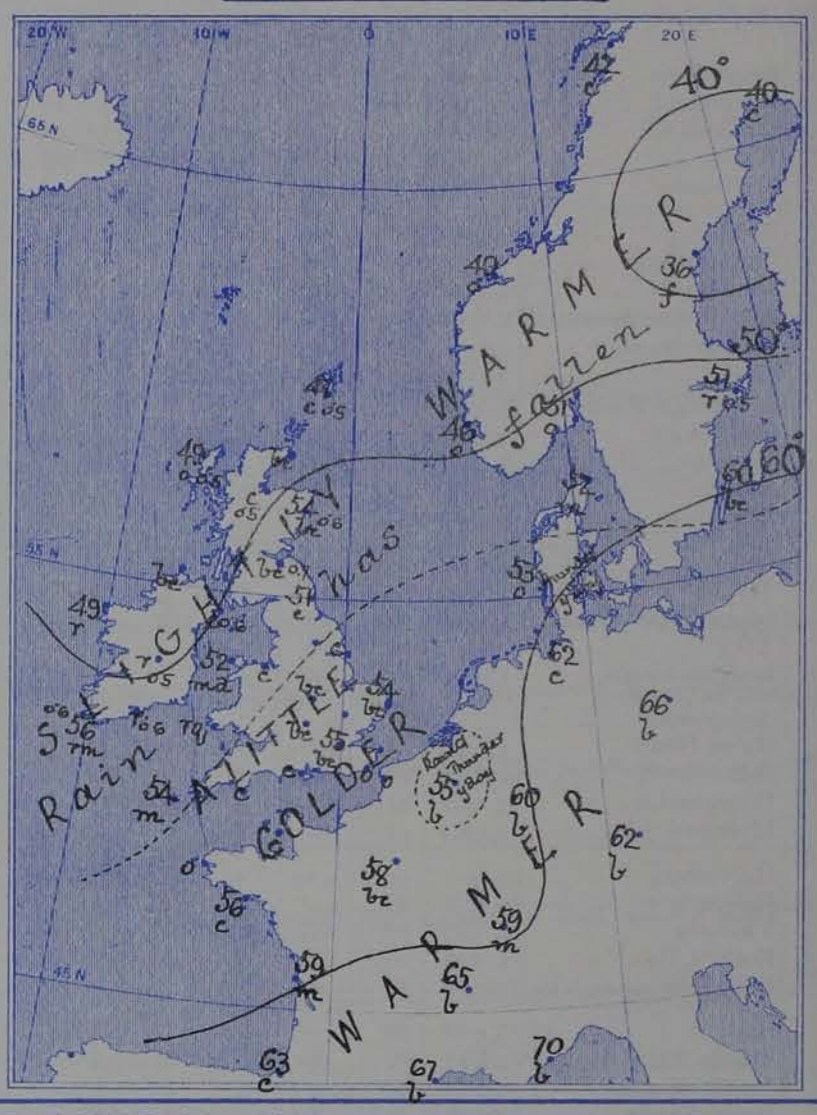
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards in an anticyclone lying over the southern parts of France and Germany.
Lowest, 29·4 in: and less, in a depression off the west of Norway; 29·5 in: and less, in another disturbance off the west of Ireland.
Gradients rather steep over our southwest coasts and also over the west of Norway, but moderate or slight elsewhere.
Barometer falling on our extreme west and southwest coasts, (quickly at Valencia) and also in Scandinavia, Denmark, and North Germany, but rising elsewhere.

TEMPERATURE

Highest, 70° at Nice, 67° at Perpignan, 66° at Berlin, and 65° at Lyons; highest in our Islands 56° at Valencia (Ireland) and Jersey.
Lowest, 36° at Hernösands, 40° at Haparanda, 42° at Bodo, 46° at Rhudesnaes, and 47° at Lerwick Head.
During yesterday the thermometer rose to 65° and upwards at several of the English stations and to 72° in London.

WIND

S. over the greater part of Ireland and England; and strong to a gale in force in the south of Ireland.
Light to moderate from the SW. on the east coasts of Great Britain and also over the Netherlands, Denmark, and the south of Sweden; strong from the same quarter in the south of Norway, but E. at Christiansund.
Variable in Germany, light from the same quarter in the south of Norway, but E. at Christiansund.

WEATHER

Fair or fine over the eastern and central parts of the United Kingdom, as well as in France and Germany. A solar halo is reported at Jersey.
Dull and rainy on our western coasts; cloudy also in Scandinavia and Denmark, with rain at Stockholm.
Considerable quantities of rain have fallen in Ireland and Scotland, the largest amounts reported this morning being 0·7 in: at Leith and 0·6 in: at Aberdeen, Armaghdee, Valencia, and Rockhampton. Lunar halos were seen yesterday at Oxford and Spurn Head.

SEA

Rough or rather so off the south of Ireland and also off the north of Scotland and the west of Norway, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday morning over the south of Ireland has moved quickly in a north-northeasterly direction, and is now passing along the Norwegian coast. A new disturbance (apparently of greater depth) is however approaching Ireland, and increasing winds from the southward or southwestward are probable in most districts, with gales in the west.

FORECASTS

For the 24 hours ending at NOON on 20th MAY, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Wind backing to the S. and increasing in force; fair at first then squally and rainy.
1 SCOTLAND EAST	
2 ENGLAND N.E.	Same as No. 5.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	S. to SW. winds, increasing in force; squally, some rain.
6 SCOTLAND WEST	Same as No. 0 and 1.
↓ 7 ENGLAND N.W.	S. to SW. or W. gales and strong winds; squally and rainy at first, some improvement later.
↓ 8 ENGLAND S.W.	
↓ 9 IRELAND NORTH	
↓ 10 IRELAND SOUTH	
WARNINGS	At 9·50 am today to districts 7 to 10 "Hoist South Cone".

Note.—The **South Cone**, *point downwards* (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.86	48	47	S	6	c	4
Sumburgh Head	29.58	49	47	SW	3	o	5
Stornoway ...	29.52	49	48	S	2	o	2
Aberdeen ...	29.56	44	43	E	5	o gqr	4
Shields ...	29.56	62	55	SSW	5	c	2
Ardrossan ...							
Malin Head ...	29.54	44	43	NNW	4	r	3
Belmullet ...	29.65	51	48	WNW	3	b	*
Holyhead ...	29.53	53	53	S	7	rqf	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia ...	29.73	54	50	W	3	bw	4
Scilly ...	29.74	55	52	W	6	c	4
Jersey ...	29.89	63	59	SSE	4	bc	3
Hurst Castle ...	29.84	61	57	SSW	4	c	3
Dungeness ...	29.91	61	58	S	3	c	3
North Foreland							
London (Westminster)	29.84	68	58	SW	4	bc	*
Yarmouth ...	29.86	55	53	SSE	5	b	4
Rochefort ...	30.02	72	64	WNW	4	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull in most parts of the United Kingdom, with rain at several of our western and northern stations. Dull also in the west of France and in Sweden, but fine over the Continent as a whole. Considerable amounts of rain falling later in Ireland and Scotland. Lunar halo seen at Spurn Head and Oxford.

Temperature fallen a little in Ireland and Scotland and also over Sweden and the Baltic, but risen elsewhere. Morning readings highest 73° at Athens and Patras, 71° at Lesina and Barcelona and 69° at Trieste, above 65° at several of the Mediterranean and Adriatic stations. Lowest 29° at Archangel, 34° at Ulleaborg and Haparanda, 35° at Hernösand and 40° at Bodö. Rising during day to 65° and upwards in many parts of England, and reaching 72° in London; exceeding 70° also over France, Germany, and the Netherlands, and touching 79° at Paris.

Wind S^{3} over England and Wales, and very strong in the west; SE^{3} in the north of Ireland, N^{1} at Valencia. SW^{1} in Scotland and also over Denmark, North Germany, and the south of Scandinavia; gale from W reported at Wisby, but calms in the Gulf of Bothnia. Variable over Russia, Austria, Italy, and South Germany; N^{1} in Greece, with a gale at Athens. S^{3} or SW^{3} over the Spanish Peninsula; SE^{3} in France. Subsequently veering to the SW^{m} over England and to the W^{m} or NW^{m} on our western coasts.

Barometer highest 30·2 in. and upwards over the eastern and southern parts of Germany; 30·1 in. and upwards in an anticyclone covering the whole of Eastern and central Europe and also in another system over Spain. Lowest 29·5 in. and less, in a well-marked depression with its centre over the south of Ireland, and also in another disturbance off the north of Scotland. Irish depression subsequently moving briskly in a north-northeasterly direction and barometer rising on our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 20th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.41	41	SE	6	r	29.28	-.61	35	35	-5	E	0	f	*	r	*	41	28	0.32
	Hernösand ...	29.47	49	SW	4	b	29.61	-.26	38	41	+12	WNW	6	b	*	b	*	52	32	0.12
	Stockholm ...	29.78	53	SW	4	b	29.82	-.17	51	45	0	W	6	b	*	b	*	64	46	0.16
	Wisby	29.91	50	W	4	b	29.94	-.12	49	44	-11	SSW	4	b	*	b	*	66	45	0.04
	Karlstad ..	29.79	49	SSW	4	b	29.80	+.02	51	46	-2	SW	4	b	*	b	*	*	*	-
	Bodö	29.35	39	NE	4	r	29.53	-.23	39	35	-3	NW	5	o	2	r	*	48	34	0.28
	Christiansund ...	29.41	45	NE	3	r	29.86	+.52	41	36	-8	NNE	3	r	3	r	*	54	39	0.39
	Skudesnaes ...	29.87	48	SW	6	o	29.79	+.11	49	47	+3	ESE	2	m	2	c.o	*	49	43	*
	Færder (Christiania Fjord)	?	?	SW	6	b	29.81	+.12	50	47	-1	SW	5	o	3	b	*	51	48	-
	Skagen (The Scaw)	29.95	48	WSW	3	m	29.89	+.08	47	46	-5	SW	2	m	0	m	*	54	45	-
	Fanö	30.00	50	W	1	b	29.82	-.12	56	53	+3	SW	4	o	*	b	*	57	48	-
	Sumburgh Head	29.71	48	NW	3	b	29.76	+.35	46	43	-1	NE	4	bc	5	c.b	*	50	43	0.01
	Stornoway ...	29.68	50	W	0	o	29.70	+.07	48	46	-1	ENE	6	o	6	c.o	3.9	53	44	0.05
	Wick	29.73	52	SE	2	bc	29.69	+.08	46	43	-6	ESE	5	o	4	bc	*	56	43	0.03
	Nairn	29.67	55	W	1	bc	29.63	-.06	46	45	-4	ENE	2	r	3	bc	*	58	44	0.20
	Aberdeen ...	29.73	50	SSW	2	ogr	29.53	-.18	45	44	-9	NE	8	ogqr	7	c.orq	9.2	60	45	0.75
BRITISH ISLANDS.	Leith	29.66	53	ENE	3	r	29.48	-.32	48	48	-3	NNE	1	rm	*	r	*	59	46	1.10
	Shields	29.68	54	SSW	3	p	29.48	-.39	56	51	+5	SW	3	o	2	o.p	*	59	47	0.11
	Spurn Head ...	29.78	55	S	4	r	29.60	-.34	56	54	+1	SW	4	c	4	bc.rq	*	59	51	0.09
	York														*					
	Loughborough ...	29.79	56	S	3	r	29.63	-.34	58	55	+4	SSW	3	bevu	*	c.opbc	*	61	51	0.14
	Ardrossan ...																*			
	Malin Head ...	29.45	48	E	5	rf	29.51	-.23	48	48	-1	N	3	omr	2	r.rf	*	52	47	0.55
	Belmullet ...	29.44	54	SSW	3	o	29.64	-.04	51	49	+2	N	5	o	*	r.o	*	54	48	0.25
	Donaghadee ...	29.52	53	SSW	5	r	29.50	-.33	54	54	+4	S	3	ogm	1	r	*	54	45	0.94
	Liverpool (Bidston)	29.62	57	SE	4	r	29.59	-.31	57	53	+2	SW	2	o	2	rm	*	57	50	0.08
	Holyhead ...	29.61	54	S	7	r	29.57	-.30	52	51	0	SW	4	f	3	rq.aq	*	54	47	0.48
	Parsonstown ...	29.49	58	SW	1	o	29.55	-.14	52	51	+4	SW	1	r	*	br	0.0	62	47	0.22
	Valencia ...	29.52	56	SSW	3	c	29.72	+.22	52	50	-4	W	6	opm	6	o.c	2.3	59	51	0.11
	Roche's Point ..	29.56	54	SW	4	c	29.66	+.04	55	52	+1	NW	5	c	4	r.c	*	55	51	0.55
	Pembroke (St. Ann's Hd.)	29.60	52	W	5	o	29.65	-.21	53	51	+3	W	6	o	5	or	0.0	54	49	0.90
	Scilly	29.67	56	SW	6	c	29.79	-.04	54	53	0	WSW	6	om	4	m.r.c	1.2	58	52	0.38
	Prawle Point ...	29.77	53	SSW	5	o	29.78	-.21	52	51	+1	WSW	6	oqp	5	oqp	*	55	50	0.25
	Jersey (St. Aubin's)	29.94	60	S	3	r	29.91	-.19	56	54	0	WSW	6	ogpm	5	o.g.p	*	64	54	0.29
	Hurst Castle ...	29.86	57	SSW	5	rm	29.76	-.28	?54	?50	0	WSW	5	om	4	c.rm	*	60	54	0.15
	Dungeness ...	29.95	55	SSE	4	o	29.75	-.32	54	54	-1	SW	5	oqp	5	c.o	*	59	53	0.09
	North Foreland																*			
	London (Brixton) ...	29.88	60	SSW	4	cp	29.72	-.33	56	54	+1	SW	3	or	*	c.op	2.5	64	53	0.07
	Oxford	29.75	56	S	5	r	29.68	-.34	56	55	+2	SW	3	op	*	op	*	59	52	0.17
	Cambridge ...														*					
	Yarmouth ...	29.91	57	SSE	4	c	29.67	-.34	54	53	0	SW	3	r	4	bc.c	*	57	52	0.12
GERMANY & HOLLAND.	Cuxhaven ...	30.06	54	W	0	o	29.83	-.15	56	54	-6	S	2	o	*	o	*	62	50	-
	Berlin	30.06	70	W	2	c	29.94	-.15	66	62	0	SSE	3	b	*	c	*	81	59	0.04
	Wiesbaden ...	*	*	*	*	*	29.99	-.16	59	57	-1	SW	4	o	*	*	*	75	52	-
	Munich... ..	30.17	64	E	1	b	30.13	-.11	65	58	+3	SW	4	bc	*	b	*	73	50	-
	The Helder ...	29.98	55	SW	1	c	29.73	.	56	54		SW	3	b	2	c	*	57	52	0.16
BELGIUM.	Brussels ...	*	*	*	*	*	29.87	-.26	59	56	+4	SSW	3	r	*	o	*	68	54	0.12
	Cape Gris Nez ...	29.95	59	SSW	2	o	29.80	-.25	55	54	+3	SW	5	?	5	o	*	61	48	0.20
	Paris	30.07	69	SW	2	o	29.99	-.19	60	54	+2	SW	4	o	*	o	*	73	58	0.08
	Brest	29.86	56	SSW	4	r	29.94	-.05	55	54	0	WSW	4	o	5	r	*	57	52	0.39
	Lorient... ...	29.96	57	SSW	6	r	30.01	-.09	56	55	0	W	5	c	6	r	*	63	54	0.28
FRANCE &	Rochefort ...	30.06	64	NW	3	c	30.06	-.08	61	57	+2	W	4	o	*	b,c	*	73	55	-
	Belfort	30.08	68	WSW	3	c	30.05	-.13	60	56	+1	SW	4	o	*	c	*	76	54	-
	Lyons	30.11	71	S	1	c	30.16	-.05	62	58	-3	S	1	o	*	c	*	76	56	-
	Nice	30.11	70	W	2	b	30.08	-.05	69	59	-1	E	0	bc	0	b	*	79	61	-
	Perpignan ...	30.12	75	E	0	o	30.16	-.04	71	60	+4	NW	3	o	*	o	*	80	54	-
	Biarritz ...	30.07	71	NW	3	bc	30.21	+.09	64	60	+1	E	0	o	1	bc	*	81	59	-
PENINSULA.	Corunna ...																*			
	Lisbon	30.32	63	NNW	5	b	30.32	+.04	66	61	+2	N	3	b	*	b	*	73	61	-
	Azores (P. Delgada)	30.14	65	SSW	5	o	30.10	+.05	64	63	0	SSW	5	o	6	o	*	68	64	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

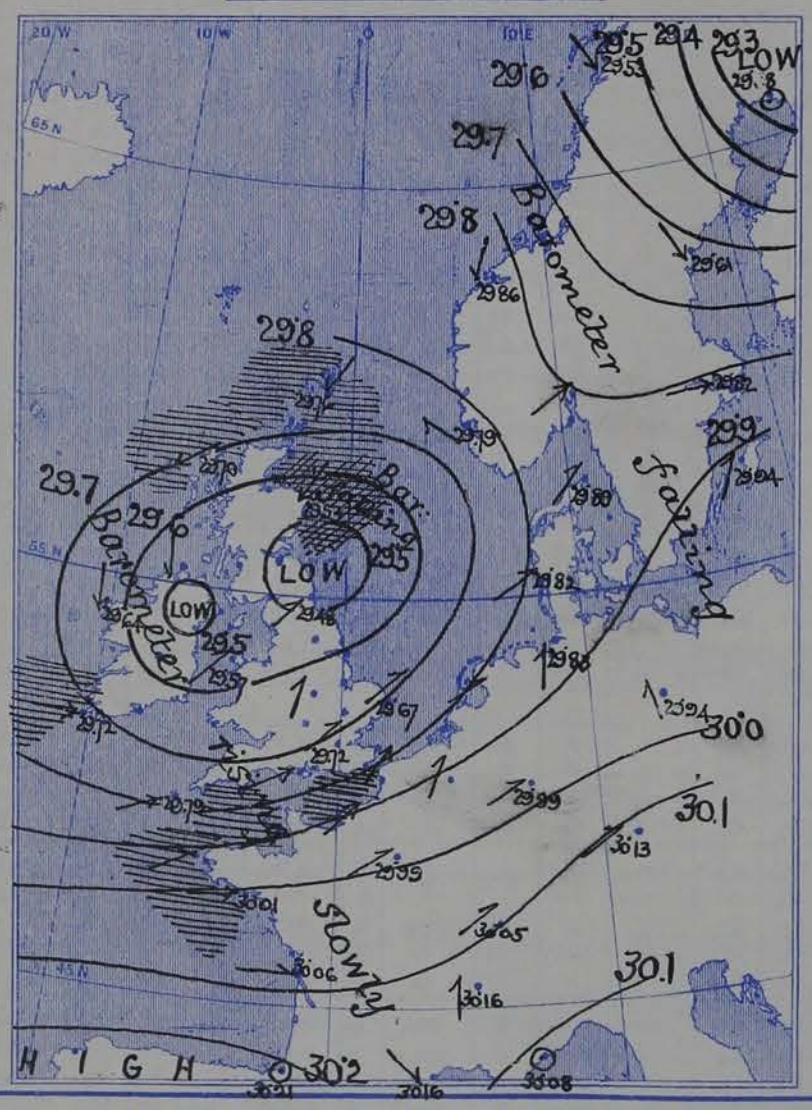
Bright Sunshine yesterday Southport 1·3 hrs;

WEATHER CHARTS

FOR Saturday, 20th May, 1899.

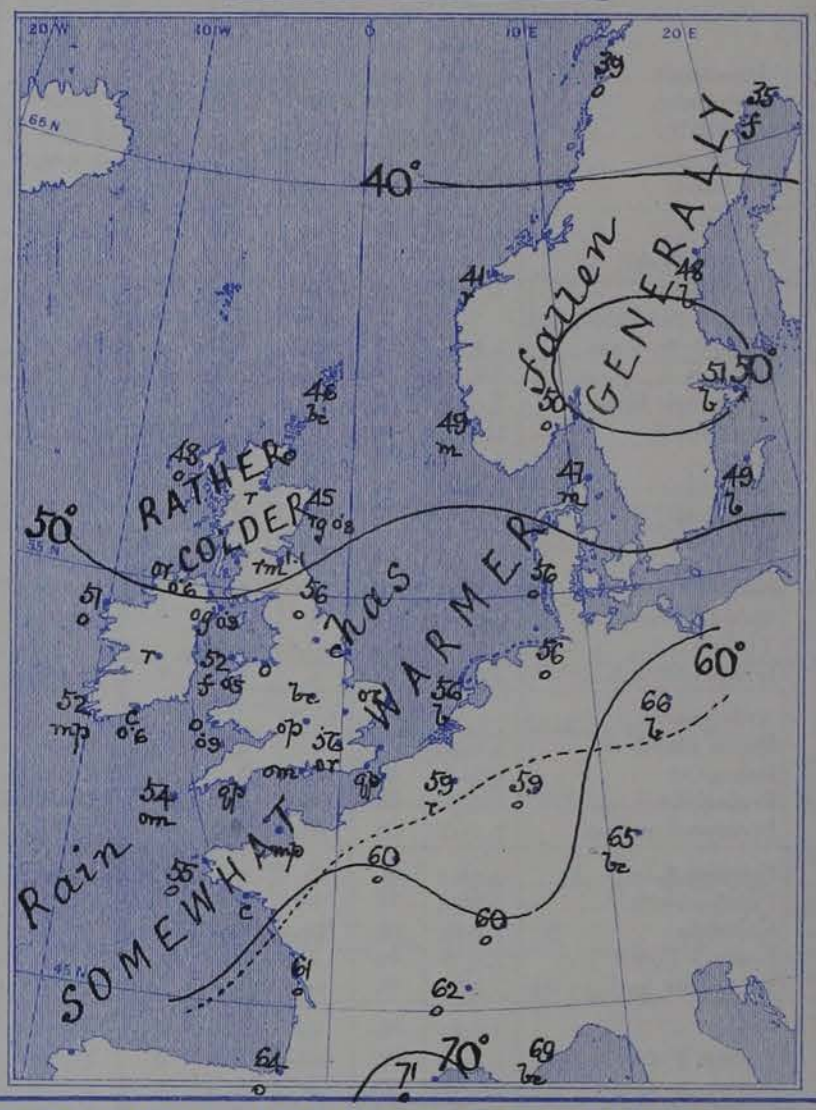
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·32 in: at Lisbon; 30·2 in: and upwards in an anticyclone lying over the whole of the Spanish Peninsula and the extreme southwest of France.
Lowest, 29·4 in: and less, in a depression over Lapland; 29·5 in: and less, in two other systems,—one lying over the north of Ireland and the other off the northeast coast of Great Britain.
Gradients moderate. Barometer falling in the northeast of our Islands, as well as in Sweden, Denmark, Germany, and the Netherlands; rising elsewhere.

TEMPERATURE

Highest, 71° at Lupiyan, 69° at Nice, 66° at Berlin and Lisbon and 65° at Munich; highest in our Islands 58° at Loughborough.
Lowest, 35° at Haparanda, 39° at Bodö, 41° at Christiansund, 45° at Aberdeen, and 46° at Lerwick Hd. Wick, and Nairn.
During yesterday the thermometer rose to 60° or slightly above it in several parts of the United Kingdom, and to 64° in London and at Jersey.

WIND

SW³ or W² over England and France, and strong in force in the western parts of the Channel.
Strong from the NE and in the north of Scotland, with a gale at Aberdeen, N³ in the north of Ireland.
S⁵ or SW³ over Germany, Denmark and the south of Scandinavia, NW³ or N³ in the west of Norway.

WEATHER

Cloudy and unsettled over Western Europe as a whole, with steady rain in the east of Scotland, and passing showers in many parts of England and Ireland.
Fine in Sweden and also in some parts of Germany and the extreme south of France.
Since yesterday morning rain has fallen in nearly all parts of northwestern Europe, the largest amounts being 1·1 in: at Leith, 0·9 in: at Donaghadee and Pembroke, and 0·8 in: at Aberdeen.

SEA

High at Aberdeen, rough off the north of Scotland generally and at Valencia (Ireland) and rather rough in the English and Bristol Channels.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday off our western coasts has proved somewhat complex, and has advanced over the northern parts of the Kingdom. It appears to be moving slowly northeastwards, but in its rear the small secondary disturbances are likely to advance over Ireland and England, and showery weather is therefore likely to continue for a time in most districts.

FORECASTS

For the 24 hours ending at NOON on 21st MAY, 1899.

	DISTRICTS.	FORECASTS.
▼	0 SCOTLAND NORTH	NE winds, strong, perhaps a gale; dull, some rain.
	1 SCOTLAND EAST	NE to Variable breezes; dull and rainy at first, some improvement later.
	2 ENGLAND N.E.	Same as No 5.
	3 ENGLAND EAST	Same as No 5.
	4 MIDLAND COUNTIES	Same as No 5.
	5 ENGLAND SOUTH	SW to W winds, fresh, changeable, showery, thunder locally.
	6 SCOTLAND WEST	Wind shifting to the NW and freshening; squally, showery.
▼	7 ENGLAND N.W.	Wind shifting to the NW and freshening; squally, showery.
▼	8 ENGLAND S.W.	W to NW winds, strong; squally showery.
▼	9 IRELAND NORTH	NW winds, strong; squally, showery.
▼	10 IRELAND SOUTH	NW winds, strong; squally, showery.
	WARNINGS	At 10·20 am today to district 0 "Hoist North Cone". The South Cone is still flying in districts 7 to 10

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.80	49	46	SW	6	c	4
Sumburgh Head	29.62	48	47	NNW	3	c	6
Stornoway	29.68	53	49	NNW	4	0	4
Aberdeen	29.74	57	48	SW	3	c	2
Shields	29.81	58	51	SSW	2	0	2
Ardrossan							
Malin Head ...	29.58	49	47	E	5	r	4
Belmullet	29.48	51	51	E	3	r	*
Holyhead	29.67	48	47	S	1	dgm	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.50	57	54	S	4	0	5
Scilly	29.70	55	55	S	6	r	4
Jersey	30.01	61	58	SE	3	0	3
Hurst Castle ...	29.97	60	56	SSW	3	c	3
Dungeness ...	30.04	59	57	S	3	c	2
North Foreland							
London (Westminster)	29.98	61	54	SSW	4	c	*
Yarmouth ...	29.96	56	53	SSE	6	bc	4
Rochefort ...	30.16	73	65	NE	1	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine in the eastern and central parts of the United Kingdom and also over all the more central and southern parts of the Continent. Dull and rainy on our western coasts; cloudy or dull also over Scandinavia, Denmark, and northern and central Russia, with rain at Stockholm and Moscow. Rain falling later over the whole of northwestern Europe – heavily at many of our own western and northern stations.

Temperature fallen a little over England and the north of France, risen in most other localities. Morning readings highest 75° at Toulon, Barcelona and Patras, 71° at Lisbon and 70° at Nice; above 65° at most of the Mediterranean and Adriatic stations. Lowest 36° at Hernösand, 37° at Archangel, 40° at Haparanda, and 42° at Bodö. Rising during day to 60° or slightly above it in many parts of the United Kingdom, and to 64° in London and at Jersey. Exceeding 75° over Germany and the central and southern parts of France, and reaching 81° at Berlin and Biarritz.

Wind S³ over Ireland and England and strong to a gale in force in the south of Ireland. Light to moderate from the SW^ly on the east coasts of Great Britain, and also over the Netherlands, Denmark, and the south of Sweden, strong from the same quarter in the south of Norway; calm in the Gulf of Bothnia. Calm or variable over the greater part of central and southern Europe, but N³ in Greece and strong in force at Athens. Subsequently veering to the SW^ly on our own southwest coasts; no important change occurring elsewhere.

Barometer highest 30·1 in: to 30·2 in: and upwards in an anticyclone covering the whole of eastern, central, and southern Europe. Lowest 29·4 in: and less, in a depression lying off the west of Norway; 29·5 in: and less, in another disturbance off the southwest of Ireland. Former depression subsequently moving northeastwards across Scandinavia; latter disturbance moving slowly northwards.

NOTICE. Owing to the operation of the Factory Act the Daily Weather Report for Monday next cannot be issued until Wednesday the 24th Inst. Sundays report will be issued as usual with that for Tuesday.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Sunday 21st May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.63	34	NW	2	b	29.86	+ ·58	33	30	− 2	N	2	b	*	b	*	48	32	—
	Hernösand ...	29.82	45	NW	2	c	29.82	+ ·21	40	33	− 8	N	2	o	*	c	*	54	41	—
	Stockholm ...	29.87	52	W	2	o	29.52	− ·30	44	43	− 7	E	4	r	*	o	*	61	46	0.51
	Wisby	29.39	52	S	4	c	29.51	− ·43	52	51	+ 3	W	6	o	*	c	*	61	46	0.04
	Karlstad ...	29.71	49	E	4	r	29.60	− ·20	40	39	− 11	NE	6	r	*	r	*	*	*	0.59
	Bodö	29.77	39	W	6	o	29.84	+ ·31	36	34	− 3	SW	6	o	3	o	*	41	30	—
	Christiansund ...	29.89	44	NE	4	c	29.91	+ ·05	39	35	− 2	NE	4	bc	2	c	*	44	37	—
	Skudesnaes ...	29.64	48	W	4	o	29.60	− ·19	44	40	− 5	NNW	9	bc	2	r,o	*	51	41	*
	Færder (Christiania Fjord)	29.66	48	NE	2	r	29.60	− ·21	43	42	− 7	NNE	6	r	3	r	*	50	43	0.43
	Skagen (The Scaw)	29.61	50	WSW	2	f	29.60	− ·29	49	49	+ 2	NW	2	m	0	f	*	50	46	0.20
	Fanö	29.68	51	WNW	2	c	29.62	− ·20	51	51	− 5	SW	2	o	*	c	*	57	50	0.04
	Sumburgh Head	29.85	43	NE	4	c	30.00	+ ·24	41	37	− 5	NE	3	c	5	c	*	48	35	0.03
	Stornoway ...	29.90	49	ENE	5	o	30.05	+ ·35	43	40	− 5	ENE	5	o	5	c,o	2.0	49	39	0.03
	Wick ...	29.86	43	E	4	c	30.03	+ ·34	42	38	− 4	N	3	o	2	c	*	49	38	0.05
	Nairn	29.88	46	NE	2	o	30.04	+ ·41	45	41	− 1	E	1	bc	3	o	*	46	38	0.11
	Aberdeen ...	29.77	44	NNE	7	omq	30.00	+ ·47	42	39	− 3	NNE	5	opq	5	rq,omq	0.0	46	38	0.24
BRITISH ISLANDS	Leith	29.78	47	N	2	o	30.02	+ ·54	49	45	+ 1	ENE	1	c	*	o	*	50	41	0.13
	Shields	29.69	47	NW	4	o	29.98	+ ·50	45	42	− 11	N	2	c	3	op	*	61	42	0.02
	Spurn Head ...	29.64	57	WSW	4	c	29.92	+ ·32	47	44	− 9	NNW	5	o	5	c,pt	*	63	46	0.13
	York														*					
	Loughborough ...	29.72	58	W	3	c	29.96	+ ·33	46	44	− 12	NNE	2	ogm	*	pqt,od	*	63	45	0.14
	Ardrossan ...																*			
	Malin Head ...	29.77	50	NNW	3	o	29.90	+ ·39	44	43	− 4	SE	5	rg	4	o	*	51	43	0.03
	Belmullet ...	29.85	52	N	2	o	29.88	+ ·24	54	51	+ 3	E	2	bc	*	o	*	54	45	0.01
	Donaghadee ...	29.73	51	N	4	cg	29.97	+ ·47	46	44	− 8	ESE	5	o	5	cg	*	58	45	0.07
	Liverpool (Bidston)	29.72	55	W	3	o	29.93	+ ·34	47	43	− 10	E	3	o	3	op	*	58	47	0.06
	Holyhead ...	29.73	55	W	3	o	29.91	+ ·34	51	49	− 1	NE	2	om	1	op,o	*	57	48	0.01
	Parsonstown ...	29.83	55	NW	1	o	29.90	+ ·35	53	50	+ 1	SE	1	c	*	o	0.5	59	45	—
	Valencia ...	29.91	55	W	3	bcm	29.81	+ ·09	55	53	+ 3	SE	2	omp	3	bc,bcm	5.6	56	45	0.04
	Roche's Point ..	29.89	56	NW	4	c	29.89	+ ·23	51	51	− 4	S	4	p	4	c	*	58	45	0.15
	Pembroke (St. Ann's Hd.)	? °	52	W	5	bc	29.94	+ ·29	53	52	0	SSW	2	c	4	bc	2.7	54	50	—
	Scilly	29.97	56	WSW	4	c	29.92	+ ·13	54	54	0	WSW	3	r	4	c	8.0	59	52	0.12
	Prawle Point ...	29.90	52	WSW	4	o	29.98	+ ·20	52	51	0	WSW	1	m	2	oq	*	56	52	0.09
	Jersey (St. Aubin's)	30.02	58	WSW	6	bcm	30.02	+ ·11	57	57	+ 1	W	4	fr	3	bcm	*	60	54	0.16
	Hurst Castle ...	29.89	56	WSW	5	cm	29.96	+ ·20	56	53	+ 2	W	2	c	2	om,cm	*	57	52	0.02
	Dungeness ...	29.81	55	WSW	8	o	29.94	+ ·19	55	54	+ 1	WSW	5	o	4	o	*	57	52	—
	North Foreland																*			
	London (Brixton) ...	29.80	58	WSW	3	bc	29.94	+ ·22	58	53	+ 2	NW	2	bc	*	op,c	1.8	65	52	0.16
	Oxford	29.83	53	WSW	4	o	29.94	+ ·26	55	53	− 1	WSW	3	og	*	od	*	60	51	—
	Cambridge ...														*					
	Yarmouth ...	29.69	57	WSW	2	c	29.90	+ ·23	47	46	− 7	NW	3	c	3	op,c	*	61	46	0.20
GERMANY & HOLLAND	Cuxhaven ...	29.68	57	SW	2	c	29.68	− ·15	53	51	− 3	W	5	op	*	c	*	59	52	0.20
	Berlin	29.79	60	S	2	c	29.80	− ·14	55	53	− 11	W	4	r	*	c	*	79	55	0.20
	Wiesbaden ...	*	*	*	*	*	29.98	− ·01	57	52	− 2	SW	5	c	*	*	*	65	50	0.04
	Munich... ..	30.06	58	W	5	o	30.11	− ·02	57	54	− 8	W	6	c	*	o	*	75	50	—
	The Helder ...	29.70	54	SW	2	c	29.80	+ ·07	50	48	− 6	WNW	5	o	5	c	*	57	48	0.04
BELGIUM	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez...	29.84	54	WNW	6	o	29.90	+ ·10	52	52	− 3	W	5	o	5	o	*	55	48	0.04
	Paris	30.01	65	SW	2	c	30.06	+ ·07	57	56	− 3	SSW	2	r	*	c	*	69	54	—
	Brest	30.06	55	WSW	4	f	30.01	+ ·07	55	55	0	WSW	4	f	4	f	*	59	52	—
	Lorient... ...	30.11	57	WSW	5	f	30.11	+ ·10	57	57	+ 1	W	5	f	5	f	*	63	54	0.12
FRANCE	Rochefort ...	30.20	61	W	4	o	30.18	+ ·12	61	59	0	W	4	o	*	o	*	64	57	—
	Belfort	30.02	59	W	5	c	30.12	+ ·07	55	53	− 5	WSW	4	o	*	c	*	69	52	0.04
	Lyons	30.13	69	WNW	3	c	30.23	+ ·07	54	54	− 8	S	1	r	*	c	*	76	54	0.12
	Nice	29.99	64	SW	4	c	29.98	− ·10	60	58	− 9	SW	2	c	1	c	*	79	57	—
	Perpignan ...	30.15	76	W	4	bc	30.23	+ ·07	68	60	− 3	NW	2	b	*	bc	*	82	62	—
	Biarritz ...	30.27	66	NNW	3	b	30.24	+ ·03	65	62	+ 1	Z	0	o	4	b	*	70	61	—
PENINSULA	Corunna ...	30.31	66	WNW	4	o	30.28	− ·01	58	57	− 6	WNW	1	f	2	o	*	72	55	—
	Lisbon	30.25	69	N	4	b	30.19	− ·13	70	63	+ 4	NNE	4	b	*	b	*	81	63	—
	Azores (P. Delgada)	30.19	63	SW	4	o	30.21	+ ·11	60	58	− 4	NE	4	o	3	o	*	68	59	0.16

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

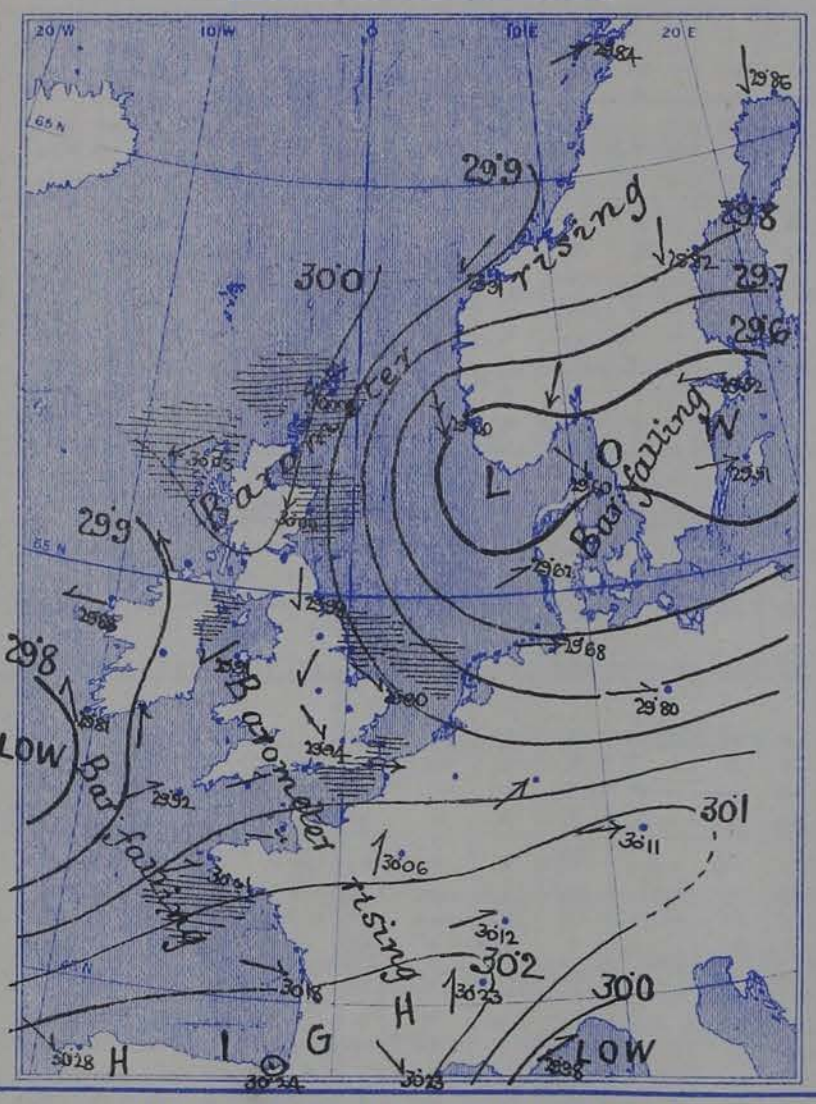
Bright Sunshine yesterday Southport 2.6 hrs;

WEATHER CHARTS

FOR Sunday, 21st May, 1899.

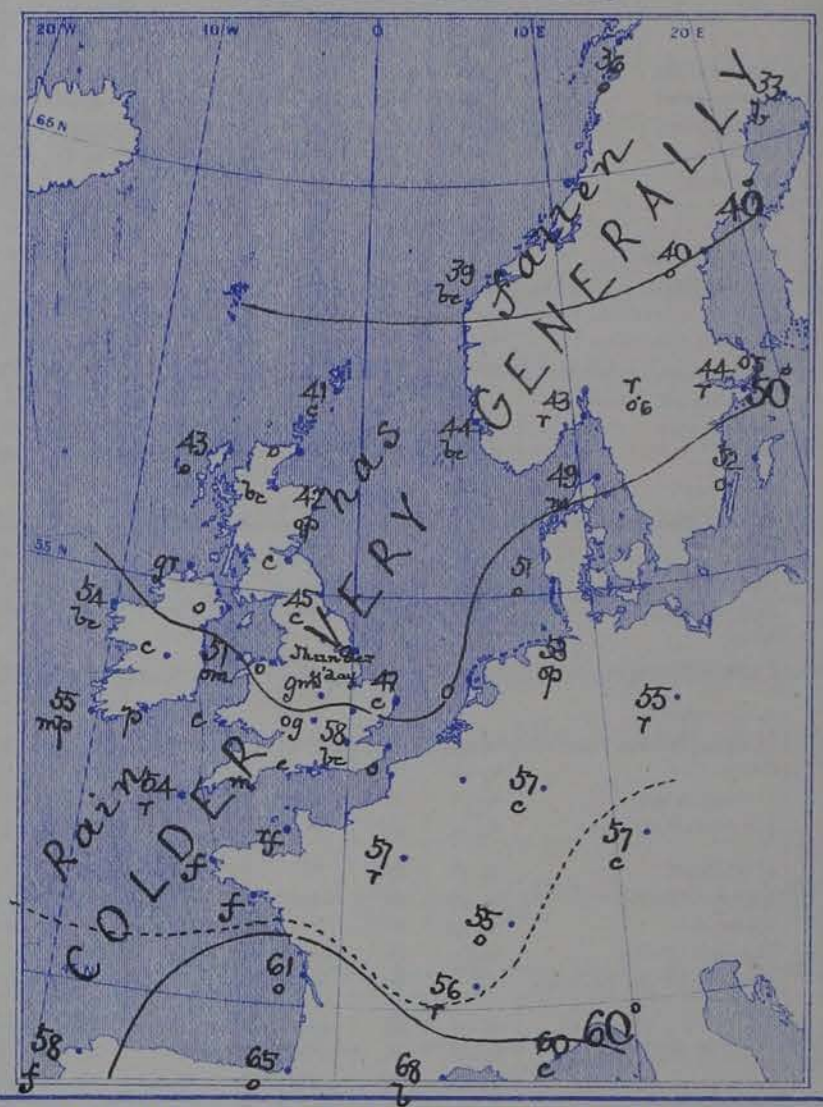
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41*
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins. and upwards in an anticyclone over Spain and the south of France; 30·0 ins. and upwards in a new high-pressure system which has appeared over Scotland.

Lowest, 29·6 and less, in a complex depression over the south of Scandinavia; 29·8 ins. and less, in a shallow disturbance off the SW of Ireland.

Gradients slight. Barometer falling in the southwest of our Islands and the west of France, as well as in Denmark and the S. of Scandinavia, rising elsewhere.

TEMPERATURE

Highest, 70° at Lisbon, 68° at Perpignan, 65° at Biarritz, 61° at Rochefort, and 60° at Nice.

Lowest, 33° at Haparanda, 36° at Bodö and 39° at Christiansund; lowest in our Islands 41° at Lerwick, and 42° at Wick and Aberdeen.

During yesterday the thermometer rose to 60° and upwards in many parts of England and to 65° in London.

WIND

Light to moderate from the W.ᵗʰ in the south of England and the north and west of France, and fresh from the same quarter over the Netherlands and Germany, but SE in Ireland and NE in Scotland.

Varying between N. and E. at most of the Scandinavian stations, and blowing a gale from NNW. at Skudesnaes.

Light from the S.ᵗʰ over Central France; NW. or N. on the west coasts of the Spanish Peninsula.

WEATHER

Cloudy or dull over Western Europe generally, with fog in the Channel Islands, and the northwest of France. Showers are falling in the south of Ireland and at Aberdeen, and steady rain at many of the Continental stations.

Fine in the west of Norway and also in the extreme south of France.

Rain fell yesterday in most parts of northwestern and northern Europe, the amount being slight in our Islands, but rather large at some of the Swedish stations. Thunder was heard at Loughborough and Spurn Head.

SEA

Rather rough on the more exposed parts of our northern and eastern coasts and at Donaghadee, as well as on the north coasts of France, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 22ᴺᴰ MAY, 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 9·25 am today to district 0 "Lower Cone"

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.70	51	48	ENE	2	r	2
Sumburgh Head	29.81	45	42	NE	4	c	5
Stornoway ...	29.85	47	45	ENE	6	o	6
Aberdeen ...	29.65	45	44	ENE	8	orgq	7
Shields ...	29.56	60	56	SW	2	op	2
Ardrossan ...							
Malin Head ...	29.67	51	50	NNW	3	o	2
Belmullet ...	29.80	53	50	N	2	o	*
Holyhead ...	29.66	55	53	SW	3	op	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia ...	29.88	56	52	W	4	bc	5
Scilly ...	29.91	58	55	WSW	6	c	5
Jersey ...	30.00	59	56	WSW	7	bc	5
Hurst Castle ...	29.85	57	55	WSW	6	om	4
Dungeness ...	29.76	56	55	SW	7	o	6
North Foreland							
London (Westminster)	29.74	63	57	W	3	c	*
Yarmouth ...	29.66	57	55	SSW	3	cp	3
Rochefort ...	30.00	64	59	W	4	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning very unsettled and rainy generally over our Islands and unsettled over northern and northwestern Europe, fine over the southern and southeastern countries. Rain falling later in showers over our Islands and northwestern Europe generally, but amounts not large except in some parts of Scandinavia. Fog and haze setting in over the mouth of the Channel.

Temperature not changing much over our Islands, but rising over the northern and eastern parts of the Continent. Morning readings highest 73° at Barcelona, 72° in Greece, 70° at Algiers; above 60° over southern and southeastern Europe generally, 56° to 50° over the English Channel and the west and southwest coasts of the British Islands and over the Netherlands and North Germany. Lowest 35° to 39° over Lapland, 41° at Archangel and in the north of Scotland. Continuing unsettled and showery in all these regions, but fair over the greater part of Southern Europe.

Wind NW' to SW' over Scandinavia, NE' over Scotland, N' over the north of Ireland; W' to SW' over France as a whole, variable over eastern and southern Europe. The NE' current spreading a little to the southward at night; the SW' wind in our Islands dying down.

Barometer highest 30·3 in: and more to 30·1 in: in a complex high pressure system covering southwestern, southern, and eastern Europe. Lowest (1) 29·3 in: and less to 29·6 in: over northern Europe. Lowest (1) 29·3 in: and less to 29·6 in: over northern Europe; 29·5 in: and less to 29·6 in: in a complex disturbance passing across the northern parts of our Islands – gradients rather steep over the northern countries. Rising in our Islands later as the disturbances over the northern countries moved eastsoutheastwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Monday 22nd May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.84	35	NW	4	c	29.80	−.06	29	27	− 4	N	4	o	*	c	*	41	28	—
	Hernösand ...	29.76	36	N	4	o	29.82	.00	38	31	− 2	N	4	bc	*	o	*	45	34	—
	Stockholm ...	29.65	35	N	4	r	29.76	+ .24	35	34	− 9	N	6	s	*	r	*	54	34	0.20
	Wisby	29.61	40	NE	4	r	29.75	+ .24	38	36	− 14	N	6	c	*	r	*	57	36	0.04
	Karlstad ...	29.75	37	NE	4	o	29.87	+ .27	39	34	− 1	NE	2	b	*	o.rs	*	*	*	0.24
	Bodö	29.90	39	NNW	4	c	29.89	+ .05	37	32	+ 1	NE	4	c	2	c	*	41	32	0.20
	Christiansund ...	29.98	41	ENE	5	o	29.99	+ .08	38	35	− 1	W	2	s	3	o	*	41	34	0.04
	Skudesnaes ...	29.78	44	N	8	b	29.93	+ .33	44	41	0	ENE	2	b	2	b	*	48	37	*
	Færder (Christiania Fjord)	29.76	41	NNE	5	o	29.93	+ .33	41	36	− 2	N	5	b	2	o	*	43	39	0.08
	Skagen (The Scaw)	29.71	42	NE	2	o	29.91	+ .31	42	39	− 7	NNE	2	c	0	o	*	50	41	—
	Fanö	29.83	44	NW	6	c	29.93	+ .31	47	42	− 4	NNW	4	bc	*	c	*	57	43	0.04
	Sumburgh Head	30.05	43	NE	3	c	30.09	+ .09	43	38	+ 2	NE	2	b	4	c	*	46	34	—
	Stornoway ...	30.08	47	ENE	4	bc	30.08	+ .03	45	40	+ 2	SE	3	c	3	c.bc	8.5	48	37	—
	Wick	30.09	45	N	3	c	30.10	+ .07	43	40	+ 1	N	2	o	2	c.hp	*	50	33	0.03
	Nairn	30.07	47	E	1	b	30.10	+ .06	43	39	− 2	E	1	c	1	b	*	49	31	—
	Aberdeen ...	30.08	43	NE	3	bc	30.14	+ .14	39	37	− 3	NE	3	og	4	bc.p	2.6	47	35	0.02
BRITISH ISLANDS.	Leith	30.07	50	ENE	1	o	30.09	+ .07	45	40	− 4	E	2	o	*	o	*	52	39	—
	Shields	30.05	45	NE	3	c	30.06	+ .08	42	40	− 3	SSW	2	op	3	c	*	48	40	—
	Spurn Head ...	30.02	47	NE	3	bc	30.05	+ .13	42	41	− 5	ENE	3	r	4	bc	*	49	41	0.08
	York														*					
	Loughborough ...	30.00	50	ENE	2	o	30.04	+ .08	42	42	− 4	NE	2	odm	*	ogr.d	*	51	41	0.43
	Ardrossan ...														*					
	Malin Head ...	29.92	48	ESE	4	ogm	29.94	+ .04	43	42	− 1	ESE	4	ar	2	c.ogm	*	49	41	0.02
	Belmullet ...	29.86	53	ESE	3	o	29.90	+ .02	53	51	− 1	WNW	3	c	*	o	*	56	49	0.13
	Donaghadee ...	29.97	49	ESE	4	c	30.03	+ .06	45	43	− 1	ESE	5	o	4	c	*	51	43	0.05
	Liverpool (Bidston)	29.95	50	E	3	r	30.00	+ .07	42	40	− 5	E	3	o	3	m.r	*	52	39	0.22
	Holyhead ...	29.90	53	NE	3	omp	29.94	+ .03	47	46	− 4	NE	2	dm	1	omp	*	58	44	0.14
	Parsonstown ...	29.83	54	S	1	r	29.93	+ .03	54	51	+ 1	W	1	o	*	r	2.7	56	52	0.22
	Valencia ...	29.86	56	SSW	4	om	29.99	+ .18	56	54	+ 1	SW	4	cm	4	om	0.2	58	50	0.03
	Roche's Point ..	29.85	58	WSW	4	c	30.00	+ .11	56	53	+ 5	WNW	4	b	3	m.c	*	60	50	0.04
	Pembroke (St. Ann's Hd.)	29.89	53	WSW	4	f	29.99	+ .05	53	52	0	WNW	5	og	4	f	1.1	54	51	0.13
	Scilly	29.96	56	SW	4	of	30.07	+ .15	54	52	0	W	4	c	3	of	0.0	60	52	0.35
	Prawle Point ...	29.97	53	WSW	3	m	30.06	+ .08	53	52	+ 1	WSW	2	o	2	f.mr	*	57	51	0.11
	Jersey (St. Aubin's)	30.04	58	W	4	orm	30.12	+ .10	55	53	− 2	W	4	cm	3	orm	*	59	53	0.59
	Hurst Castle ...	29.96	55	SW	2	r	30.01	+ .05	56	55	0	WSW	2	o	2	r	*	59	54	0.02
	Dungeness ...	29.99	55	SSW	2	o	29.97	+ .03	55	55	0	WSW	4	md	3	o	*	60	52	—
	North Foreland														*					
	London (Brixton) ...	29.97	52	ESE	2	o	29.98	+ .04	52	52	− 6	E	1	ogd	*	og.ogd	0.6	61	49	0.06
	Oxford	29.96	51	ENE	1	r	30.00	+ .06	46	46	− 9	N	2	d	*	r	*	59	46	0.15
	Cambridge ...														*					
	Yarmouth ...	30.02	49	NNE	3	c	30.03	+ .13	44	43	− 3	E	4	r	4	c	*	51	42	0.03
GERMANY & HOLLAND.	Cuxhaven ...	29.97	56	NW	5	o	29.98	+ .30	45	44	− 8	WNW	3	o	*	o	*	57	43	—
	Berlin	29.84	53	WNW	6	o	29.97	+ .17	46	41	− 9	WNW	5	o	*	o	*	63	45	0.24
	Wiesbaden ...	*	*	*	*	*	30.01	+ .03	55	53	− 2	NW	2	o	*	*	*	63	52	0.08
	Munich... ..	30.05	53	SW	6	r	30.10	− .01	52	52	− 5	SW	2	r	*	r	*	63	52	0.28
	The Helder ...	30.00	47	NNW	2	bc	30.02	+ .22	44	40	− 6	NE	1	o	1	bc	*	50	43	0.04
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	30.00		50	49		2	0	r	*	o	*	63	47	0.16
	Cape Gris Nez...	29.96	52	SE	1	c	29.97	+ .07	54	53	+ 2	W	5	f	5	c	*	57	50	0.12
	Paris	30.06	62	W	1	o	30.10	+ .04	59	56	+ 2	WSW	2	bc	*	o	*	69	56	0.16
	Brest	30.08	58	WSW	3	f	30.14	+ .13	53	51	− 2	W	2	o	3	f	*	?	50	—
	Lorient... ...	30.13	57	SW	5	m	30.15	+ .04	55	55	− 2	W	4	c	5	m	*	63	54	0.04
	Rochefort ...	30.18	60	W	3	o	30.16	− .02	59	58	− 2	W	3	o	*	o	*	64	55	—
	Belfort	30.07	57	WSW	5	r	30.05	− .07	57	57	+ 2	WSW	6	r	*	r	*	60	55	0.63
	Lyons	30.19	67	E	1	c	30.16	− .07	69	62	+ 15	E	1	b	*	c	*	71	54	0.04
	Nice	29.99	72	2	0	b	30.01	+ .03	66	60	+ 6	E	1	bc	1	b	*	77	57	—
	Perpignan ...	30.14	79	N	2	b	30.15	− .08	69	63	+ 1	2	0	b	*	b	*	84	57	—
	Biarritz ...	30.15	68	NNE	4	b	30.16	− .08	61	60	− 4	NW	2	o	2	b	*	70	59	—
PENINSULA.	Corunna ...														*					
	Lisbon	30.15	66	NNW	5	bc	30.18	− .01	67	60	− 3	NNW	4	b	*	bc	*	88	59	—
	Azores (P. Delgada)	30.29	61	NNE	3	b	30.31	+ .10	62	59	+ 2	NE	3	c	2	b	*	72	55	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

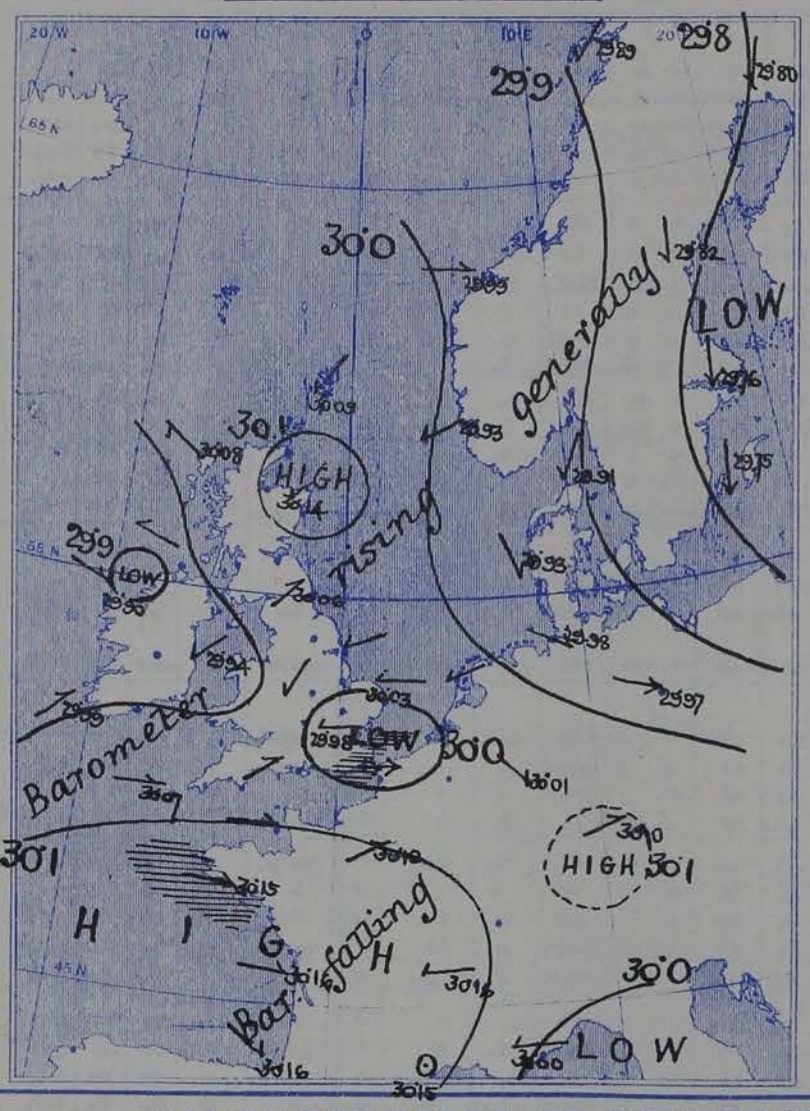
Bright Sunshine yesterday Southport 0·0 *hrs;*

WEATHER CHARTS

FOR Monday, 22nd May, 1899.

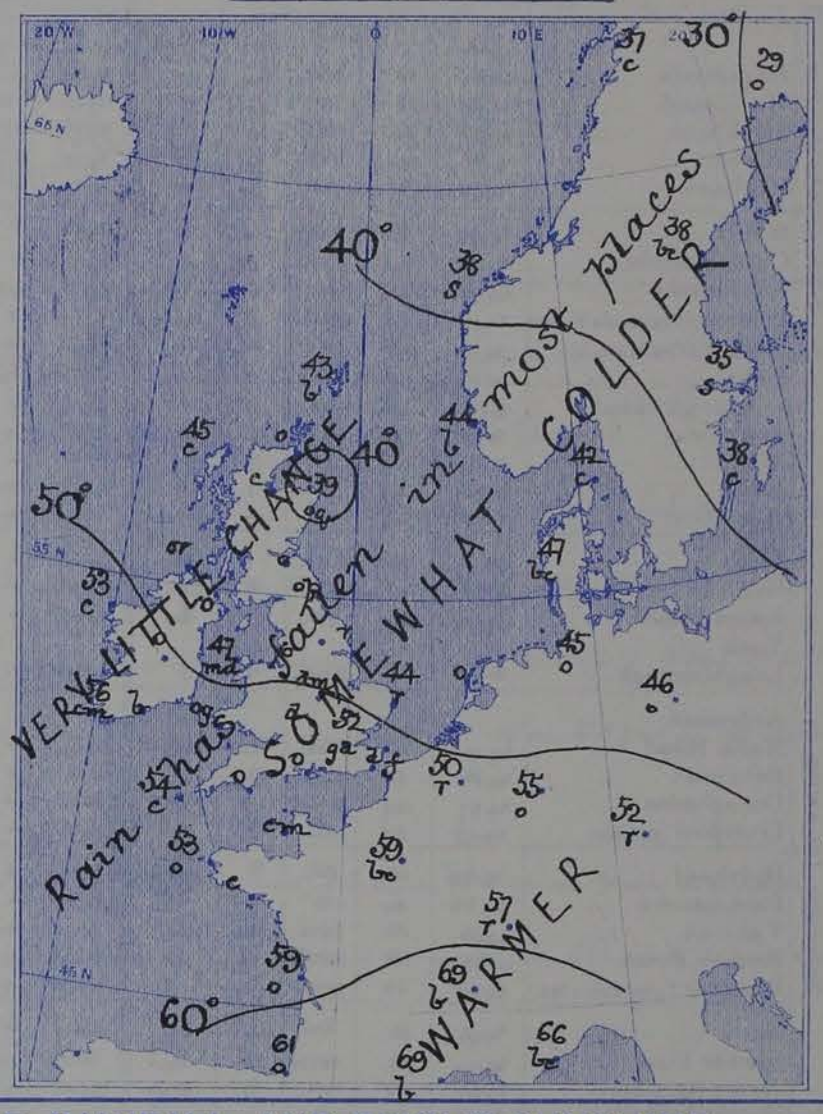
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—Rough *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29·956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29·941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29·984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.1 ins. and more over the Bay of Biscay and France, and also over the NE. of Scotland. Lowest 30.0 ins. to 29.9 ins. in a complex depression over Ireland, and in a shallow disturbance over the SE. of England and NE. of France. Gradients very slight. Barometer rising in the SW. of our Islands.
TEMPERATURE	Highest 69° to 60° over the S. of France, 54° to 56° on the S^rn. coasts of Ireland and England. Lowest (1) 39° at Aberdeen, 42° at Spurn Hd.; (2) 29° at Haparanda, 38° at Christiansund & Wisby. It rose to 60° or a little more at some of our southern stations yesterday, and touched 77° at Nice. At most of the N^rn. stations, however, it did not reach 50°.
WIND	W^ly. or SW^ly. over France and the southern coasts of Ireland and England, but was mainly E^ly. (SE. to NE) over the more northern parts of the Kingdom – moderate in the south, light in the north.
WEATHER	Dull except on our SW. coasts, and over France, Germany and on the E^rn. shores of the North Sea, and in many places rainy. Rain has fallen very generally, the largest amount measured being 0.59 in. at Jersey; Fog has been very prevalent on our SW. coasts.
SEA	Slight or smooth at the Channel stations, moderate on our W, N, and E coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A rise of temperature is probable in the southern districts shortly.

FORECASTS

For the 24 hours ending at NOON on 23RD MAY 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	E^ly. winds, veering towards S; dull, rain at times.	6 SCOTLAND WEST	Same as No^s. 0 and 1.
1 SCOTLAND EAST		7 ENGLAND N.W.	W^ly. and SW^ly. winds, dull, rain at times, misty
2 ENGLAND N.E.		8 ENGLAND S.W.	Same as No^s. 0 to 2.
3 ENGLAND EAST	Very variable winds and calms; dull, rainy, misty.	9 IRELAND NORTH	Same as No. 8.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.69	48	45	NNW	8	b	2
Sumburgh Head							
Stornoway	30.09	48	42	E	5	c	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.93	49	47	ESE	4	c	3
Belmullet	29.85	56	52	E	4	o	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30.06	58	58	W	4	orm	3
Hurst Castle ...							
Dungeness ...	29.97	59	56	WSW	4	o	3
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.18	63	60	W	4	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 14TH TO 20TH MAY, 1899.

At the commencement of the week barometrical pressure was highest over Russia, the weather over W.rn Europe being influenced by complex depressions which appeared over our Islands and the Bay of Biscay. Later on the high pressure system over Russia moved southwards, while a new anticyclone spread N.E.wds from Spain and eventually embraced nearly the whole of central and S.rn Europe. In the latter regions the weather was therefore mostly fair warm and dry, but in the N.W.rn and N.rn countries where it was affected by a series of depressions moving N.E.wds from the Atlantic it was very changeable, with heavy rains in the W. and N. of our Islands. The most important depressions were (1) a well marked system which was developed over the N.rn parts of Gt. Britain on the 15th and which afterwards moved very slowly away to the N.wds; (2) a small secondary disturbance which passed quickly N.E.wds across England on the night of the 16th and which occasioned fresh to strong S.W.ly gales over the English Channel; (3) a well defined system which travelled in a similar direction across Ireland and Scotland on the 18th; and (4) a complex disturbance which appeared off our W.rn coasts on the 19th and which afterwards moved eastwards across the more N.rn parts of the United Kingdom. At the close of the week the last mentioned disturbance was moving away to the North Sea, and a new high pressure system was beginning to appear over our extreme N.rn coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain: f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 23rd May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.86	29	N	2	0	29.88	+.08	32	28	+3	N	2	c	*	0	*	36	27	-
	Hernösand ...	29.92	31	NE	0	0	29.91	+.09	35	32	-3	N	2	c	*	0	*	41	30	0.08
	Stockholm ...	29.97	39	N	2	bc	29.96	+.20	44	40	+9	W	4	b	*	bc	*	44	32	-
	Wisby	30.00	38	NW	4	b	30.03	+.28	41	39	+3	W	4	b	*	b	*	41	34	0.04
	Karlstad ...	29.95	44	S	2	bc	29.97	+.10	43	37	+4	SE	4	bc	*	bc	*	*	*	—
	Bodö	29.91	37	NE	4	c	29.89	.00	33	32	-4	ESE	2	S	4	c	*	37	30	-
	Christiansund ...	30.02	41	WNW	4	0	29.95	-.04	37	34	-1	NW	4	c	4	0	*	41	34	0.24
	Skudesnaes ...	30.03	44	NNW	4	b	29.99	+.06	42	37	-2	NNW	4	c	2	c.b	*	46	36	*
	Færder (Christiania Fjord)	29.98	46	WSW	4	c	29.93	.00	47	40	+6	NE	2	b	1	b	*	46	41	-
	Skagen (The Scaw)	30.02	44	NW	1	b	30.00	+.09	47	41	+5	SW	2	c	0	b	*	54	37	-
	Fanö	30.00	45	N	2	c	29.99	+.06	46	43	-1	?	2	c	*	c	*	52	41	0.08
BRITISH ISLANDS.	Sumburgh Head	30.10	40	NE	1	0	30.01	-.08	44	40	+1	E	1	bc	4	r.0	*	46	35	0.28
	Stornoway ...	30.00	48	SE	3	0	29.90	-.18	45	41	0	ESE	3	0	3	c.0	9.5	50	39	-
	Wick	30.07	45	ESE	3	c	29.97	-.13	43	40	0	SE	4	0	4	c	*	50	40	—
	Nairn	30.03	45	E	3	c	29.93	-.17	43	41	0	E	1	0	1	0	*	48	38	-
	Aberdeen ...	30.09	42	SE	3	c	29.97	-.17	42	40	+3	SE	4	ogqr	3	bc.c	5.4	47	38	0.11
	Leith	30.04	45	SSE	3	r	29.91	-.18	44	42	-1	E	1	0	*	r	*	47	38	0.11
	Shields	30.05	43	SE	3	ou	29.91	-.15	44	44	+2	ESE	3	0	3	o.r	*	47	39	0.27
	Spurn Head ...	30.04	44	ESE	3	0	29.93	-.12	51	50	+9	SSW	3	op	3	0	*	51	41	0.05
	York														*					
	Loughborough ...	30.03	46	ESE	1	r	29.95	-.09	57	53	+15	SW	2	bcwu	*	omp.bc	*	58	42	0.04
	Ardrossan ...																*			
	Malin Head ...	29.89	48	SSE	4	cm	29.77	-.17	47	46	+4	SE	3	ogm	2	o.cm	*	48	42	0.11
	Belmullet ...	29.91	57	SW	2	b	29.75	-.15	50	49	-3	SSE	2	o	*	b	*	57	46	0.30
	Donaghadee ...	29.97	47	ESE	5	r	29.86	-.17	46	45	+1	SSE	4	c	3	r	*	51	43	0.02
	Liverpool (Bidston)	29.96	48	ESE	3	0	29.89	-.11	55	52	+13	SSW	1	c	2	orm	*	55	41	0.13
	Holyhead ...	29.96	53	SW	2	bcp	29.87	-.07	53	52	+6	SW	3	cm	2	cp	*	55	46	0.03
	Parsonstown ...	29.92	61	W	1	bc	29.80	-.13	55	52	+1	SW	1	c	*	bc.r	8.3	64	48	0.32
	Valencia ...	29.95	57	SSW	3	c	29.76	-.23	55	52	-1	SSW	4	c	5	c	8.4	60	51	-
	Roche's Point ..	29.99	57	SW	5	bc	29.84	-.16	53	52	-3	SW	4	c	4	bc.p	*	58	50	0.62
	Pembroke (St. Ann's Hd.)	30.02	54	WSW	5	bc	29.92	-.07	53	52	-0	SW	5	og	4	bc	8.8	54	51	-
	Scilly	30.09	57	SSW	3	c	29.96	-.11	56	55	+2	SSW	3	c	2	c	11.2	60	52	-
	Prawle Point ...	30.09	52	WSW	3	bc	30.02	-.04	52	51	-1	SW	3	o	2	bc	*	56	49	-
	Jersey (St. Aubin's)	30.13	56	W	5	bc	30.08	-.04	56	54	+1	WSW	4	cmw	3	bc	*	59	51	-
	Hurst Castle ...	30.04	61	WSW	2	c	30.03	+.02	55	52	-1	WSW	3	om	3	cm.c	*	62	52	-
	Dungeness ...	29.99	55	WSW	4	c	30.01	+.04	56	54	+1	WSW	3	bc	3	cg.c	*	59	45	-
	North Foreland																*			
	London (Brixton) ...	30.01	53	SE	1	ogq	30.01	+.03	57	52	+5	SW	2	bc	*	oq.ogb	0.0	57	44	0.01
	Oxford	30.02	53	WSW	3	b	29.99	-.01	55	52	+9	SW	3	o	*	o.c.p	*	58	46	0.02
	Cambridge ...														*					
	Yarmouth ...	30.04	46	ESE	4	cv	29.96	-.07	52	50	+8	SE	2	c	3	c.cv	*	52	42	0.03
GERMANY & HOLLAND.	Cuxhaven ...	30.04	46	NW	2	c	30.01	+.03	44	43	-1	SSW	2	o	*	c	*	50	41	-
	Berlin	30.02	51	WNW	3	c	30.05	+.08	51	47	+5	S	0	c	*	c	*	54	45	-
	Wiesbaden ...	*	*	*	*	*	30.02	+.01	58	56	+3	NW	2	o	*	*	*	64	54	0.12
	Munich... ..	30.11	55	SW	1	c	30.12	+.02	58	54	+6	W	2	bc	*	c	*	61	52	0.32
	The Helder ...	30.06	47	S	0	c	29.99	-.03	47	43	+3	E	1	o	1	c	*	50	44	-
BELGIUM.	Brussels ..	*	*	*	*	*	30.03	+.03	54	52	+4	W	3	o	*	r	*	56	46	0.24
	Cape Gris Nez...																*			
	Paris	30.10	63	W	2	b	30.09	-.01	59	54	0	W	1	m	*	b	*	69	52	-
	Brest	30.16	59	W	1	bc	30.07	-.07	54	53	+1	W	1	b	2	bc	*	61	50	-
	Lorient... ...	30.15	57	WNW	4	bc	30.10	-.05	55	54	0	SW	2	bc	4	bc	*	63	54	-
FRANCE &	Rochefort ...	30.14	61	NW	3	c	30.10	-.06	58	55	-1	N	2	o	*	c	*	67	54	-
	Belfort	30.05	63	WSW	2	c	30.06	+.01	55	53	-2	SW	1	o	*	c	*	68	50	0.08
	Lyons	30.11	68	NE	2	b	30.08	-.08	66	58	-3	NNW	2	bc	*	f.bc	*	?	56	0.12
	Nice	29.98	64	SW	4	b	30.02	+.01	62	60	-4	SW	1	f	1	b	*	77	59	-
	Perpignan ...	30.04	77	SW	2	c	30.05	-.10	71	66	+2	NW	2	c	*	c	*	87	63	0.16
	Biarritz ...	30.13	63	N	3	o	30.10	-.06	60	59	-1	NW	3	f	2	o	*	64	57	-
PENINSULA.	Corunna ...																*			
	Lisbon	30.19	62	N	4	b	30.21	+.03	65	58	-2	N	5	b	*	b	*	77	59	-
	Azores (P. Delgada)	30.37	61	N	3	b	30.38	+.07	64	60	+2	N	2	bo	2	b	*	70	55	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR Tuesday, 23rd May, 1899.

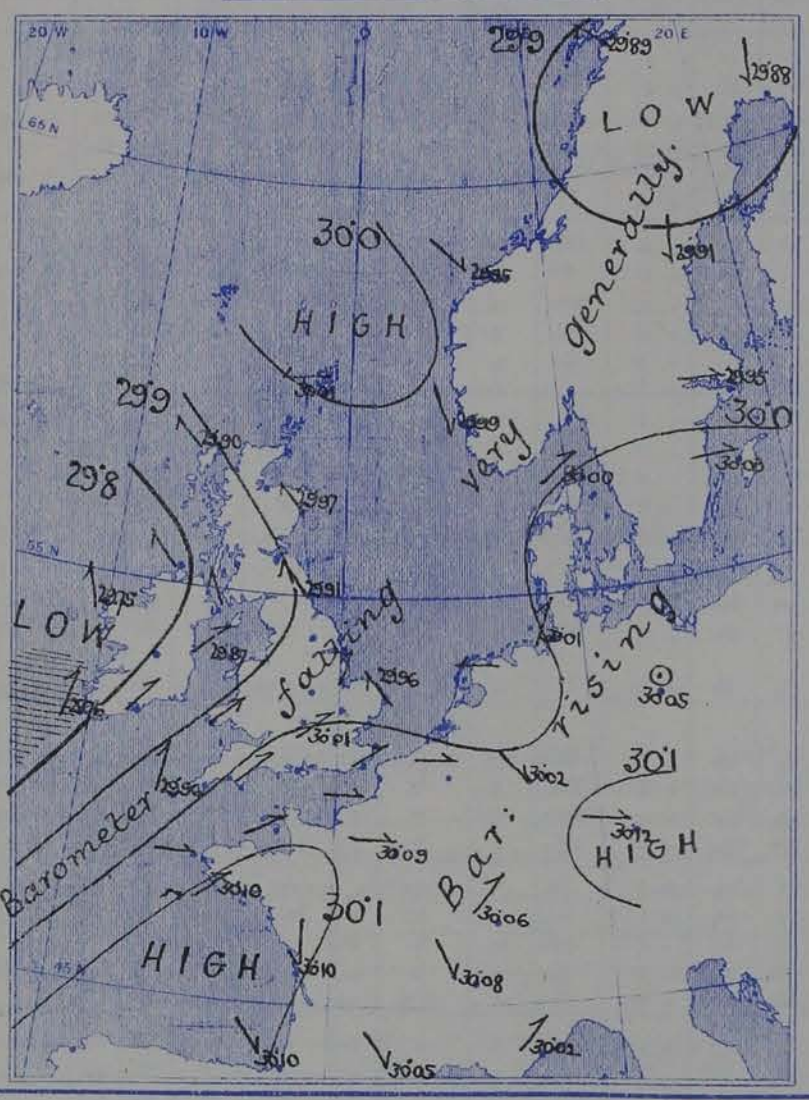
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙

SEA—Rough *High*

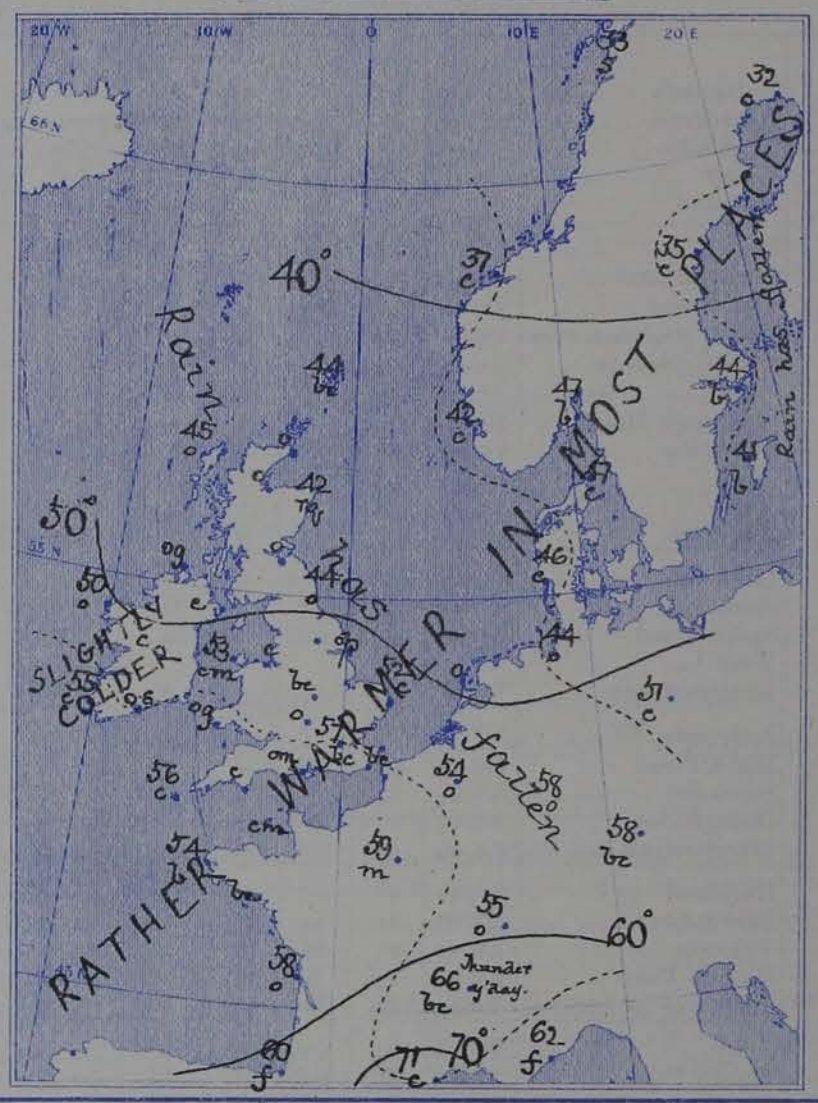


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29·956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29·941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1899	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29·984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30·1 ins: and more to 30·0 ins: in a complex high pressure system covering Spain, the Bay of Biscay, France and Germany; (2) Exceeding 30·0 ins: over the Shetland Islands also.
Lowest, 29·8 ins: and less, over the west of Ireland, and 29·9 ins: and less over the north of Scandinavia.
Gradients slight over the Continent, moderate in the west of our Islands.
Barometer falling steadily in Ireland.

TEMPERATURE

Highest, 71° at Perpignan, 62° at Nice, 60° at Biarritz; 56° to 52° along the southern coasts of England and Ireland.
Lowest, 32° at Haparanda, 37° at Christiansund, 42° at Kirkwall and Aberdeen, 44° at Shields.
It touched 60° or a little more at only a few of our eastern and southern stations yesterday. In London the maximum (57°) was the same as the reading at 8 am today. At Perpignan the maximum was 87°, at Nice 77°.

WIND

(1) S 3 and SW 3 over our southwestern and southern counties; SE 2 in the north; (2) On the Continent it is light and very variable.

WEATHER

Cloudy and unsettled generally, with rain at some eastern and northeastern stations. In the south of Sweden it is fine.
Showers fell yesterday in many parts of our area – most in the east. Thunder occurred at Lyons.
Bright Sunshine was considerable at some of the western and southern stations yesterday; at Scilly the recorded amount exceeded 11 hrs. In London there was none.

SEA

Very little disturbed except at Valencia (Ireland).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A renewal of the showery unsettled weather in all parts of the Kingdom is anticipated.

FORECASTS

For the 24 hours ending at NOON on 24TH MAY, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE 2 winds, moderate; rainy.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	S 2 and SW 2 winds, moderate; fair to showery.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 to 2
7 ENGLAND N.W.	SW 2 and S 2 winds, freshening, with rain.
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·04	46	42	W	0	c	2
Sumburgh Head	30·11	40	38	NE	2	r	4
Stornoway	30·04	50	44	SE	3	o	3
Aberdeen	30·11	47	42	SE	3	bc	2
Shields	30·05	45	41	ENE	2	o	3
Ardrossan							
Malin Head ...	29·93	45	45	SE	5	o	3
Belmullet	29·83	57	53	WSW	2	b	*
Holyhead	29·96	55	52	SW	3	cp	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·98	60	56	SSW	3	c	4
Scilly	30·10	59	56	SW	3	c	2
Jersey	30·14	58	54	W	5	bc	4
Hurst Castle ...	30·04	60	56	WSW	4	cm	3
Dungeness ...	30·00	57	56	WSW	4	cq	3
North Foreland							
London (Westminster)	30·02	53	51	E	2	o	*
Yarmouth ...	30·05	47	45	E	4	c	4
Rochefort ...	30·16	67	62	NW	3	?	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS : For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 24th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.88	30	NE	0	0	29.86	-.02	34	28	+ 2	NE	0	c	#	0	#	?	28	-
	Hernösand ...	29.94	38	NE	0	bc	29.92	+.01	36	34	+ 1	S	2	bc	#	bc	#	37	28	0.08
	Stockholm ...	29.93	43	NE	0	c	29.90	-.06	48	44	+ 4	SSE	2	bc	#	c	#	50	34	-
	Wisby	29.98	41	S	4	bc	29.91	-.12	47	43	+ 6	SSW	4	bc	#	bc	#	48	36	-
	Karlstad ..	29.91	44	S	2	0	29.83	-.14	44	41	+ 1	E	2	0	#	0	#	#	#	0.04
	Bodö	29.91	39	NE	0	c	29.88	-.01	35	32	+ 2	SW	6	c	3	c	#	39	30	-
	Christiansund ...	29.91	40	WNW	4	S	29.91	-.04	38	36	+ 1	WSW	1	bc	3	S	#	41	36	0.04
	Skudesnaes ...	29.94	47	N	4	bc	29.84	-.15	43	37	+ 1	N	4	bc	1	c, bc	#	47	36	#
	Færder (Christiania Fjord)	29.86	47	SW	4	0	29.78	-.15	43	41	- 4	NW	4	0	2	0	#	50	43	-
	Skagen (The Scaw)	29.88	47	SW	2	c	29.81	-.19	46	41	- 1	WNW	2	bc	0	c	#	54	39	-
	Fanö	29.95	43	WNW	1	bc	29.85	-.14	46	44	0	S	2	r	#	bc	#	52	43	-
BRITISH ISLANDS	Sumburgh Head	29.97	43	SE	2	bc	29.91	-.10	40	38	- 4	N	2	c	3	bc	#	46	33	-
	Stornoway	29.81	48	SE	4	0	29.84	-.06	46	43	+ 1	ESE	4	0	4	0	0.5	50	41	-
	Wick	29.91	45	SE	6	0	29.90	-.07	47	45	+ 4	SE	3	bc	3	0	#	47	41	0.02
	Nairn	29.82	48	E	1	0	29.85	-.08	44	41	+ 1	E	2	c	1	0	#	50	40	-
	Aberdeen ...	29.89	43	SE	4	ogq	29.87	-.10	42	39	0	ESE	5	ogqp	5	ogqp	0.1	47	41	0.02
	Leith	29.80	48	E	3	0	29.77	-.14	44	42	0	ENE	4	0	#	0	#	53	42	0.04
	Shields	29.79	47	ESE	2	0	29.70	-.21	46	46	+ 2	ENE	3	f	3	0.rf	#	49	42	0.21
	Spurn Head ...	29.81	52	SE	1	c	29.70	-.23	54	52	+ 3	SSE	1	ctlth	2	c	#	57	48	0.24
	York														#					
	Loughborough ...	29.83	51	NE	0	c	29.70	-.25	53	51	- 4	S	2	ow	#	cptlh	#	64	49	0.70
	Ardrossan ...																#			
	Malin Head ...	29.66	50	ESE	5	cm	29.66	-.11	46	45	- 1	ESE	6	cg	5	c.mr	#	50	44	0.19
	Belmullet ...	29.62	52	E	2	r	29.68	-.07	52	50	+ 2	NNE	5	o	#	r	#	54	49	0.73
	Donaghadee ...	29.72	51	SE	3	bcp	29.63	-.23	48	47	+ 2	ESE	6	c	5	bcp	#	53	45	0.24
	Liverpool (Bidston)	29.76	51	SW	3	0	29.65	-.24	50	48	- 5	SSE	1	r	?	op	#	59	48	0.18
	Holyhead ...	29.73	53	SW	3	cm	29.61	-.26	53	51	0	SSW	3	cpm	2	bc.cm	#	55	49	0.19
	Parsonstown ...	29.64	55	SW	1	0	29.57	-.23	54	50	- 1	W	1	c	#	c.op	8.1	63	48	0.33
	Valencia ...	29.64	55	SW	5	ogp	29.61	-.15	54	52	- 1	NNW	5	cqm	5	ctl.gp	4.4	58	50	0.20
	Roche's Point ..	29.72	55	SW	5	c	29.58	-.26	55	52	+ 2	W	3	c	3	c	#	59	49	-
	Pembroke (St. Ann's Hd.)	29.79	53	SW	5	bc	29.61	-.31	51	50	- 2	N	4	p	4	bc	4.6	54	49	0.14
	Scilly	29.88	57	SSW	5	c	29.68	-.28	53	51	- 3	WSW	4	cp	4	c	9.5	60	50	0.10
	Prawle Point ...	29.91	52	SW	3	bc	29.70	-.32	49	48	- 3	WSW	2	rw	2	p	#	59	46	0.38
	Jersey (St. Aubin's)	30.00	58	SSW	3	cgp	29.77	-.31	56	54	0	S	3	opm	3	cpg	#	60	52	0.03
	Hurst Castle ...	29.93	56	SW	4	cm	29.72	-.31	53	49	- 2	WSW	3	pm	2	cm	#	59	51	0.01
	Dungeness ...	29.94	55	SW	5	bc	29.78	-.23	54	53	- 2	SSW	3	c	3	bc	#	59	52	-
	North Foreland																#			
	London (Boxton) ...	29.89	59	SW	2	bc	29.74	-.27	55	52	- 2	SSW	3	op	#	bcp.b.o	6.3	66	50	0.01
	Oxford	29.85	53	SSW	2	bc	29.70	-.29	51	50	- 4	SSE	2	p	#	bcp	#	63	48	0.18
	Cambridge ...														#					
	Yarmouth ...	29.87	55	SW	3	cp	29.73	-.23	54	52	+ 2	WSW	3	bc	3	rhp.cp	#	56	49	0.83
GERMANY & HOLLAND	Cuxhaven ...	29.97	46	NW	1	c	29.83	-.18	50	50	+ 6	S	3	c	#	c.r	#	50	43	0.12
	Berlin	29.97	54	NW	3	0	29.95	-.10	54	49	+ 3	SW	2	bc	#	0	#	59	46	-
	Wiesbaden ...	*	*	*	*	*	29.91	-.11	56	52	- 2	N	2	c	#	*	#	64	45	-
	Munich... ..	30.04	56	SW	3	r	29.97	-.15	57	54	- 1	W	3	r	#	r	#	68	52	0.12
	The Helder ...	29.93	52	SSW	1	c	29.78	-.21	54	52	+ 7	SW	1	bc	1	c	#	55	47	0.04
BELGIUM	Brussels ...	*	*	*	*	*									#		#			
	Cape Gris Nez ...	29.95	54	SW	1	bc	29.81		54	52		SW	3	0	3	b	#	57	48	-
	Paris	30.02	63	WSW	2	b	29.87	-.22	56	53	- 3	SSW	1	bc	#	b	#	68	50	-
	Brest	30.01	57	WSW	2	0	29.77	-.30	52	51	- 2	WSW	3	b	3	0	#	61	50	0.04
	Lorient... ...	30.03	59	WSW	2	c	29.80	-.30	53	52	- 2	SW	5	0	5	c	#	64	52	-
FRANCE &	Rochefort ...	30.04	61	NW	4	bc	29.92	-.18	59	55	+ 1	WSW	4	0	#	0.bc	#	70	54	-
	Belfort	29.93	64	W	3	0	29.91	-.15	54	52	- 1	NE	0	0	#	0	#	69	57	0.16
	Lyons	30.04	57	SSW	1	r	29.95	-.13	58	54	- 8	SW	1	0	#	r	#	76	55	0.51
	Nice	29.97	61	SW	1	0	29.90	-.12	60	59	- 2	NE	0	0	2	0	#	70	57	-
	Perpignan ...	30.05	64	W	2	0	29.97	-.08	62	57	- 9	W	3	bc	#	0	#	82	58	0.51
	Biarritz ...	30.10	63	NW	4	0	30.00	-.10	58	52	- 2	?	3	c	2	0	#	68	57	-
PENINSULA	Corunna ...																#			
	Lisbon	30.23	62	NNW	4	bc	30.26	+.05	65	56	0	NNW	4	b	#	bc	#	72	59	-
	Azores (P. Delgada)	30.41	62	NNW	3	b	30.39	+.01	65	62	+ 1	N	3	bc	2	b	#	72	57	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster*

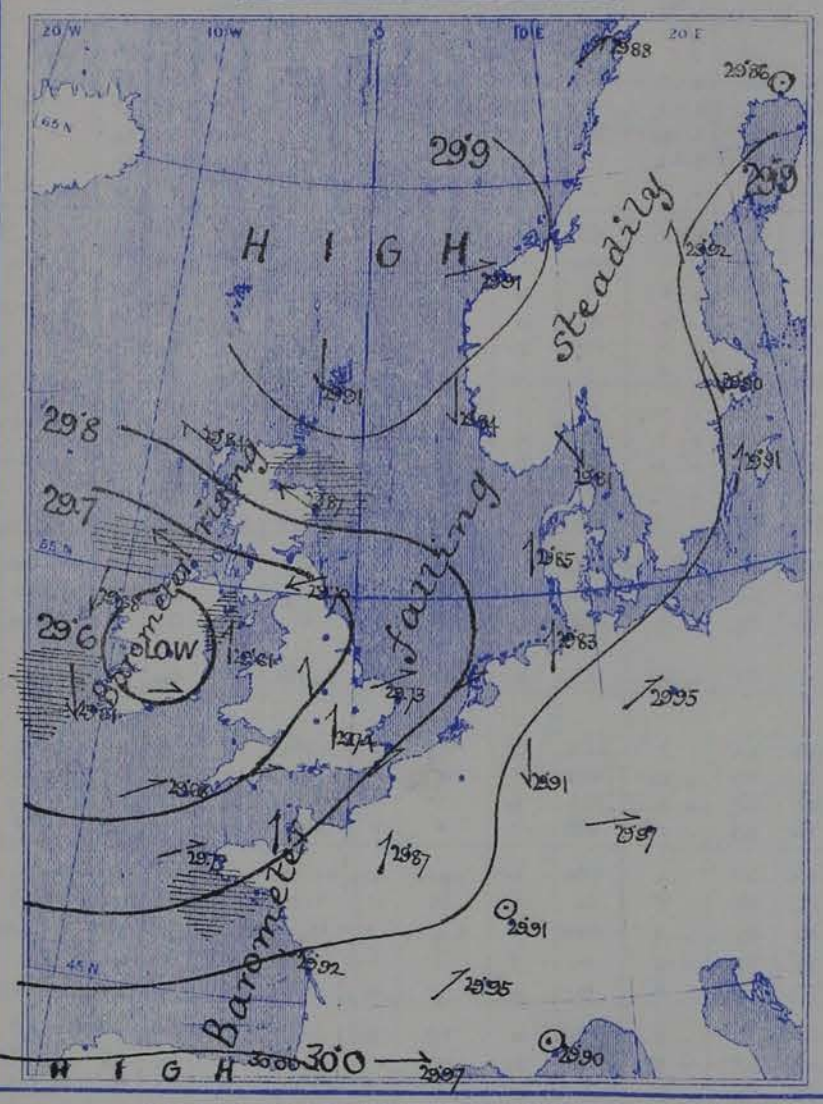
Bright Sunshine yesterday Southport 3·9 hrs;

WEATHER CHARTS

FOR Wednesday 24th May, 1899.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—*Rough* *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29·956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29·941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29·984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30.0 ins. and more over the Spanish Peninsula; 29.9 ins. and more over the Shetland Isles and W. of Norway.
Lowest 29.6 ins. and less to 29.7 ins. in complex disturbances over Ireland and England.
Gradients moderate; Distribution complex.
Barometer rising again in the W^rn. parts of Ireland and Scotland, falling over England & the Continent

TEMPERATURE

Highest 62° to 60° in the S. of France, 50° to 55° over the S^rn. half of our Island.
Lowest (1) 40° to 42° in the N.E. of Scotland, 46° at Shields; (2) 34° at Haparanda, 36° at Hernösand, 44° at Karlstad.
It rose during yesterday to between 60° and 66° in several parts of England, but fell again considerably at night.

WIND

W^ly and SW^ly at our most southern stations, S^ly over central England, E^ly in the north, and N^ly in the extreme west
Over the northern parts of the Continent it was more moderate and more variable.

WEATHER

Very changeable over our Islands, with showers and thunder in several places – cold and gloomy in the north. Showers have again fallen very generally and thunder is reported from several localities.
Bright Sunshine recorded yesterday varied greatly in amount in different localities. It amounted to 9.5 hrs. at Scilly, to 4.4 hrs. at Valencia; there was scarcely any in Scotland.

SEA

Moderate in the W. and NW., slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no indication of settled weather, but of a fall of temperature over England shortly.

FORECASTS

For the 24 hours ending at NOON on 25th. MAY 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	E^ly and NE^ly winds, cold changeable showery weather, thunder locally.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S^ly to W^ly winds, showery unsettled weather.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	Variable to NW^ly and N^ly winds, showery, colder.
WARNINGS	None issued

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to N.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.98	47	40	NNW	6	c	2
Sumburgh Head	30.00	44	39	E	2	b	4
Stornoway	29.85	50	46	SE	3	o	3
Aberdeen	29.93	44	42	SE	4	ogg	4
Shields	29.86	47	46	ESE	2	o	3
Ardrossan							
Malin Head ...	29.70	50	50	SE	6	c	4
Belmullet	29.68	54	52	SSW	3	r	*
Holyhead	29.89	55	53	SW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.70	55	52	SSW	4	c tl	5
Scilly	29.92	59	56	SSW	5	c	3
Jersey	30.06	60	56	E	3	c	3
Hurst Castle ...	29.99	57	53	SW	4	cm	3
Dungeness ...	29.99	58	56	SW	5	bc	4
North Foreland							
London (Westminster)	29.93	64	56	SSW	2	bc	*
Yarmouth ...	29.90	52	51	SE	4	thp	4
Rochefort ...	30.08	64	57	W	3	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning continuing in a very changeable condition over our Islands generally, fair but cloudy over SW^rn. and central Europe, unsettled over Russia and Lapland, with snow in several places. Rain falling later in almost all parts of our Islands and their neighbourhood – heavily at Belmullet, Loughborough and Yarmouth, considerable in the S. of France.

Temperature risen over England, fallen over Russia. Morning readings highest 79° at Algiers and Barcelona, 78° at Brindisi, 69° to 60° in the S. of France, 57° to 50° on the S^rn. and W^rn. coasts of our Islands, and 62° to 58° in the S. of Russia. Lowest 24° at Archangel, 30° to 35° over the N^rn. parts of Scandinavia, 41° at Wisby, 42° at Aberdeen – low over the N^rn. countries generally. Rising later to between 60° and 66° over England to 68° at Paris, 76° at Lyons, 82° at Perpignan.

Wind (1) NW. ½ to W. ½ over Finland and Russia; (2) SW. ½ to SE. ½ over our Islands; (3) very light and variable over the central and southern parts of Europe. Not much change later.

Barometer highest 30.2 ins. and more in Portugal, and exceeding 30.0 ins. over the whole of France, central Europe the south of our Islands and the Baltic. Lowest (1) 29.6 ins. and less in a shallow depression over central Russia; (2) 29.8 ins. and less over the W. of Ireland, and some very small shallow disturbances shown over the N^rn. parts of the Mediterranean and Adriatic. Falling continuously over our Islands and their neighbourhood during the day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 25th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.87	31	SW	2	bc	29.93	+.07	38	33	+4	S	2	b	*	bc	*	39	28	-
	Hernösand ...	29.92	36	Z	0	bc	29.99	+.07	34	34	-2	E	2	S	*	bc	*	45	28	0.04
	Stockholm ...	29.86	44	SE	2	0	29.86	-.04	45	43	-3	SSE	2	r	*	0	*	52	37	0.24
	Wisby	29.87	45	SSE	4	b	29.86	-.05	46	45	-1	SSE	4	r	*	b	*	52	36	-
	Karlstad ...	29.77	43	NNW	2	b	29.85	+.02	43	40	-1	NNE	2	0	*	b	*	*	*	-
	Bodö	29.96	37	NW	4	0	29.99	+.11	37	33	+2	W	6	c	3	0	*	39	30	0.08
	Christiansund ...	29.94	40	WSW	2	b	30.02	+.11	41	36	+3	NE	3	bc	3	b	*	41	36	-
	Skudesnaes ...	29.81	45	NNW	3	b	29.86	+.02	46	40	+3	N	4	b	1	b	*	48	36	*
	Færder (Christiania Fjord)	29.76	48	SW	1	bc	29.86	+.08	43	40	0	NNE	5	c	2	bc	*	48	41	-
	Skagen (The Scaw)	29.79	49	Z	0	bc	29.81	.00	47	43	+1	NE	3	b	0	bc	*	57	45	-
	Fanö	29.76	46	NW	1	0	29.77	-.08	48	45	+2	NNE	2	c	*	0	*	55	43	0.28
	Sumburgh Head	29.94	42	NE	1	c	30.03	+.12	43	39	+3	NE	3	b	4	c	*	45	35	0.01
	Stornoway ...	29.94	49	E	4	b	30.09	+.25	43	42	-3	E	3	0	3	0, b	q.4	50	36	0.03
	Wick	29.94	46	NE	4	bc	30.07	+.17	44	42	-3	N	3	bc	2	bc	*	53	30	0.01
	Nairn	29.92	47	E	3	bc	30.08	+.23	43	41	-1	E	1	bc	1	bc	*	47	33	-
	Aberdeen ...	29.92	44	NE	5	bcq	30.05	+.18	40	38	-2	NW	3	cp	3	cq	6.3	49	34	0.02
BRITISH ISLANDS.	Leith	29.88	46	E	3	0	30.05	+.28	48	43	+4	N	2	bc	*	0	*	49	39	-
	Shields	29.81	44	NE	3	0	29.99	+.29	44	41	-2	NE	3	c	4	f, 0	*	46	41	-
	Spurn Head ...	29.66	49	NE	4	f	29.90	+.20	46	41	-8	NNE	5	c	4	f	*	55	44	-
	York														*					
	Loughborough ...	29.63	52	NE	2	0	29.93	+.23	47	43	-6	NNE	4	cqu	*	r.p.cq	*	56	43	0.37
	Ardrossan ...																*			
	Malin Head ...	29.83	46	E	4	ogm	30.04	+.38	44	41	-2	E	2	ogm	1	o.ogm	*	49	41	0.02
	Belmullet ...	29.88	52	NNE	4	b	30.04	+.36	49	47	-3	NNE	2	0	*	b	*	54	40	0.01
	Donaghadee ...	29.79	46	E	6	r	30.04	+.41	46	42	-2	ESE	3	bc	3	r	*	51	42	0.05
	Liverpool (Bidston)	29.69	50	NE	3	r	29.99	+.34	45	40	-5	NE	2	0	2	p	*	57	41	0.20
	Holyhead ...	29.68	52	NE	3	cmp	29.98	+.37	46	43	-7	ENE	2	op	1	cp.cmp	*	55	43	0.03
	Parsonstown ...	29.74	52	N	1	0	30.01	+.44	49	46	-5	NE	1	0	*	cp, 0	3.9	58	45	0.26
	Valencia ...	29.82	53	NNW	6	cq	30.02	+.41	51	48	-3	NNW	3	bc	4	o g.cq	4.8	57	49	0.52
	Roche's Point ..	29.71	54	N	5	c	30.00	+.42	54	52	-1	N	3	c	3	klr.c	*	58	48	0.20
	Pembroke (St. Ann's Hd.)	29.64	54	NE	3	bc	29.93	+.32	52	49	+1	ENE	4	c	3	bc	4.9	57	47	-
	Scilly	29.63	53	NNW	5	cp	29.93	+.25	53	51	0	NNW	5	om	4	cp	8.0	58	49	0.03
	Prawle Point ...	29.62	51	NNW	3	c	29.89	+.19	50	49	+1	NNW	3	cg	3	c	*	56	45	0.11
	Jersey (St. Aubin's)	29.61	53	W	4	ogpm	29.83	+.06	55	52	-1	NW	3	opgm	3	opgm	*	58	50	0.43
	Hurst Castle ...	29.61	51	SSW	1	r	29.83	+.11	51	49	-2	NNE	4	op	3	r	*	56	49	0.04
	Dungeness ...	29.61	55	SW	2	c	29.75	-.03	49	49	-5	N	5	r	4	c	*	58	47	0.02
	North Foreland																*			
	London (Brixton) ...	29.59	57	NW	1	0	29.85	+.11	48	45	-7	NE	4	og	*	c.r	1.8	63	47	0.30
	Oxford	29.63	52	SSE	1	0	29.91	+.21	46	44	-5	NE	4	o	*	op	*	59	45	0.09
	Cambridge ...														*					
	Yarmouth ...	29.62	53	ESE	3	bc	29.81	+.08	47	43	-7	NNE	6	c	5	c.bc.hq	*	56	44	0.02
GERMANY & HOLLAND.	Cuxhaven ...	29.73	55	Z	0	0	29.67	-.16	51	51	+1	NNE	4	0	*	0	*	57	50	-
	Berlin	29.78	59	SE	2	b	29.63	-.32	58	53	+4	SE	3	bc	*	b	*	68	50	-
	Wiesbaden ...	*	*	*	*	*	29.64	-.27	58	53	+2	SW	5	c	*	*	*	68	52	0.04
	Munich... ..	29.75	55	Z	0	0	29.72	-.25	48	48	-9	W	5	r	*	0	*	66	46	0.63
	The Helder ...	29.67	55	NE	1	c	29.68	-.10	49	47	-5	NE	5	0	5	c	*	59	48	0.47
BELGIUM.	Brussels ...	*	*	*	*	*	29.58		53	50		ENE	2	0	*	r	*	65	49	0.43
	Cape Gris Nez...	29.63	54	NE	1	0	29.69	-.12	51	50	-3	ENE	6	r	6	0	*	59	50	0.08
	Paris	29.59	55	E	2	f	29.68	-.19	49	48	-7	NSW	3	r	*	r	*	67	48	0.51
	Brest	29.71	54	NNW	5	r	29.89	+.12	53	51	+1	NNW	4	c	4	r	*	57	48	0.39
	Lorient... ...	29.75	55	NNW	6	c	29.89	+.09	53	51	0	NW	4	c	5	c	*	59	48	1.10
FRANCE &	Rochefort ...	29.82	59	NNW	5	c	29.84	-.08	57	54	-2	NW	5	c	*	r.c	*	61	52	0.35
	Belfort	29.68	59	NSW	2	0	29.72	-.19	50	47	-4	W	6	0	*	0	*	67	47	0.16
	Lyons	29.76	64	W	1	0	29.82	-.13	54	50	-4	SW	1	c	*	f, 0	*	71	48	-
	Nice	29.71	62	E	2	c	29.57	-.33	64	53	-4	Z	0	b	3	c	*	72	55	0.32
	Perpignan ...	29.86	67	NW	3	0	29.92	-.05	60	51	-2	NW	5	b	*	0	*	72	55	-
	Biarritz ...	29.98	61	NNW	6	r	30.01	+.01	59	55	+1	W	6	r	5	r	*	66	54	0.32
PENINSULA.	Corunna ...																*			
	Lisbon	30.25	62	NW	3	0	30.26	.00	61	54	-4	NNE	4	b	*	0	*	72	59	-
	Azores (P. Delgada)	30.39	63	SW	2	b	30.37	-.02	66	63	+1	NNW	2	bc	2	b	*	73	59	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College Westminster.*

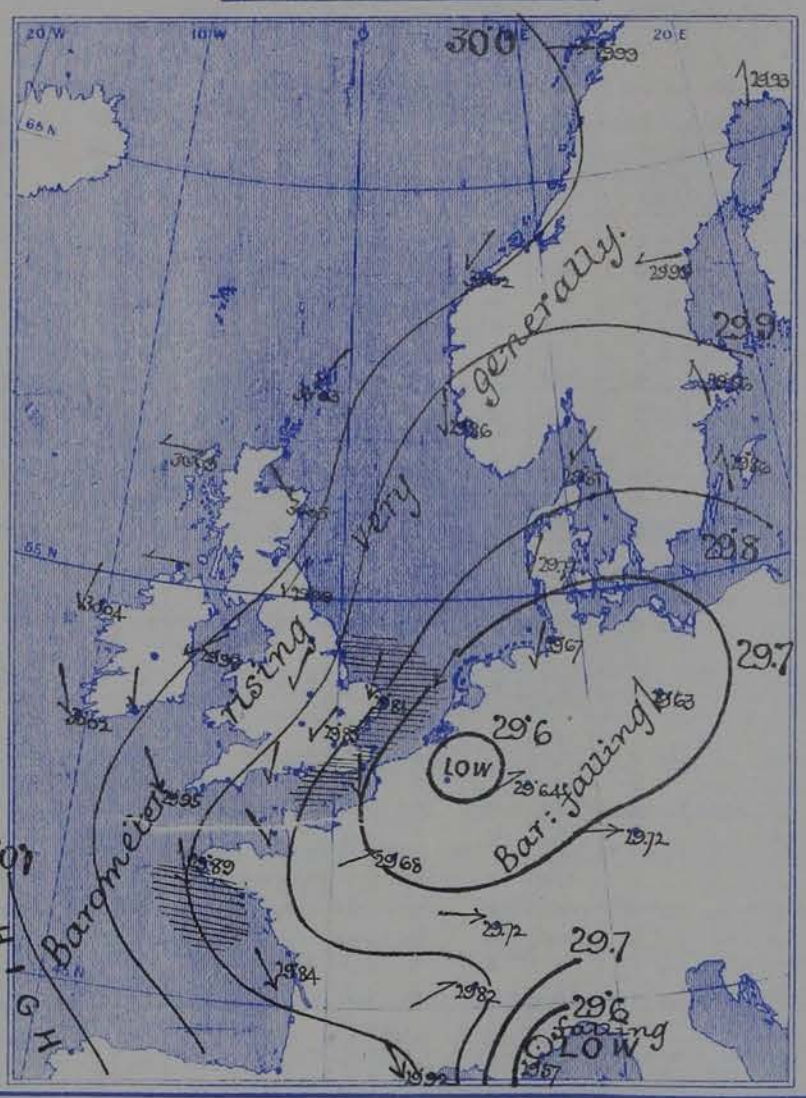
Bright Sunshine yesterday Southport..0.0..hrs;

WEATHER CHARTS

FOR Thursday, 25th May, 1899.

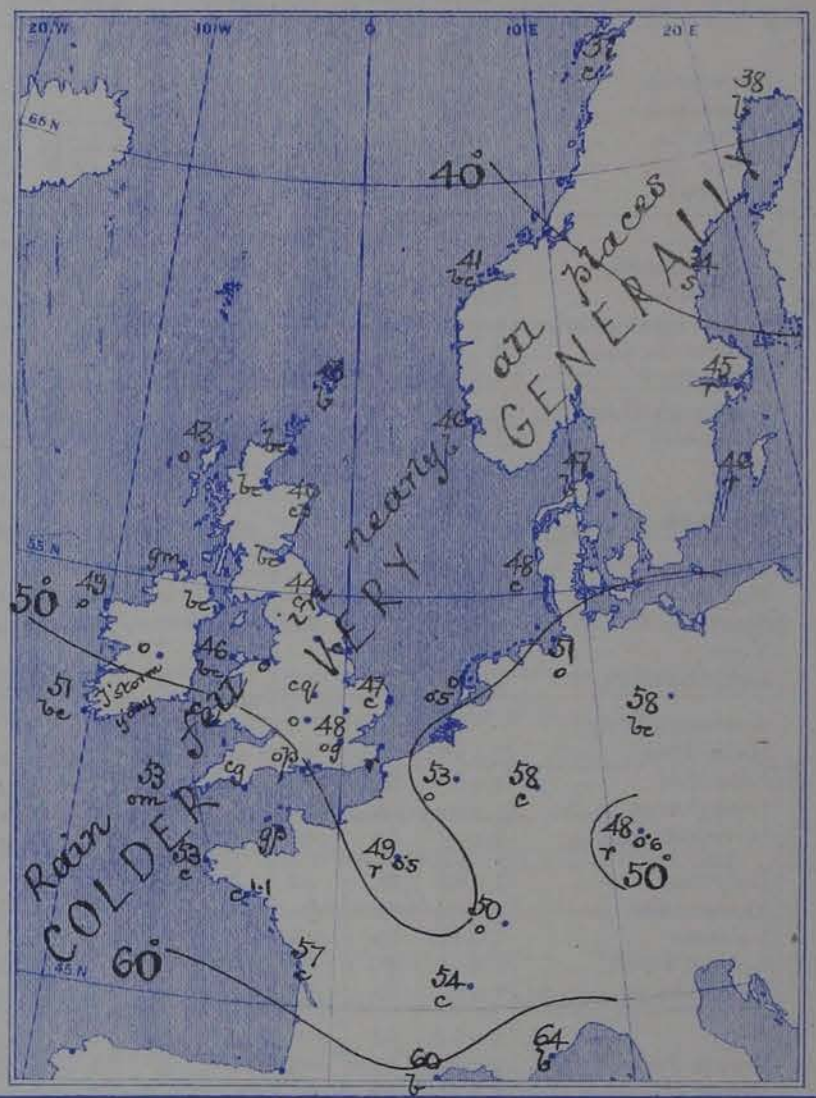
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ➛➛➛ ; *Force 5 to 7* ➛➛➛ ; *Force 8 to 10* ➛➛➛ ; *Force 1 to 4* ➛➛➛ ; } Calm ⊙
SEA—Rough ▒ *High* ▒



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48		—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66		—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·0 ins. and more over Ireland, Scotland and the W. of Norway.
Lowest 29·6 ins. and less in a complex depression over Belgium and N. Germany.
Gradients moderate over our SE^rn. districts and the N. of France, slight elsewhere.
Barometer rising over the United Kingdom generally.

TEMPERATURE

Highest 64° to 60° in the S. of France, 58° at Berlin, 53° to 50° on the S^rn. coasts of England & Ireland.
Lowest (1) 40° to 43° in the N. of Scotland, 44° at Sheields; (2) 34° at Hermösand, 37° to 38° in Lapland.
London was the only one of our stations which reported a maximum of more than 60°.
In the N. of our Islands the maxima were below 50°.

WIND

E^ly to N^ly over the United Kingdom and blew very freshly on our south and east coasts.

Over the Bay of Biscay it was NW^ly and over France W^ly.

WEATHER

Fair at most of our W^rn. and NW^rn. stations, dull and rainy in the southeast, and over the north of France. The rainfall in the south was considerable during the night. Lorient had more than an inch. Thunderstorm occurred yesterday afternoon at Roches Pt. Bright Sunshine recorded yesterday amounted to 9·4 hrs. at Stornoway, 8 hrs. at Scilly, and 5 hrs. at Pembroke and Valencia. Over England there was hardly any.

SEA

Rather rough at the Helder, Yarmouth and Cape Gris Nez, moderate on our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Cool but finer weather is now probable over our Islands.

FORECASTS

For the 24 hours ending at NOON on 26th May 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	NE^ly and N^ly winds, moderate to light; fair, cool.	6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	N^ly breezes, moderate; fair, cool.
		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.82	48	42	NNW	6	b	2
Sumburgh Head	29.92	43	40	NE	2	c	3
Stornoway	29.90	48	44	ENE	4	o	4
Aberdeen	29.90	46	44	ENE	5	c g	5
Shields	29.76	44	44	ENE	2	o	3
Ardrossan							
Malin Head ...	29.76	48	47	E	4	o	3
Belmullet	29.80	51	49	NNE	5	c	*
Holyhead	29.63	53	50	NE	1	cp	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.72	54	51	NNW	1	o g	6
Scilly	29.63	56	54	W	5	cp	4
Jersey	29.72	54	50	SW	3	r	3
Hurst Castle ...	29.64	54	52	S	1	r	1
Dungeness ...	29.68	58	56	SSW	3	c	3
North Foreland							
London (Westminster)	29.62	61	55	SW	3	cp	*
Yarmouth ...	29.65	55	53	SSE	3	c	3
Rochefort ...	29.76	60	57	W	5	r	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on *Friday, 26th May,* 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	30·08	33	SW	0	c	30·15	+·22	42	36	+4	SW	0	b	*	c	*	46	25	-
	Hernösand ...	30·07	38	SW	0	b	30·11	+·12	44	37	+7	NW	2	bc	*	b	*	45	32	0·04
	Stockholm ...	29·92	43	ENE	2	o	29·97	+·11	43	41	-2	NE	4	o	*	o	*	48	39	0·08
	Wisby	29·89	45	E	4	b	29·87	+·01	44	42	-2	NNE	4	c	*	b	*	59	39	-
	Karlstad ...	29·96	45	NE	2	bc	30·03	+·18	43	40	0	NE	4	o	*	bc	*	*	*	-
	Bodö	30·15	38	N	4	c	30·19	+·20	38	36	+1	ESE	1	bc	1	c	*	39	32	0·08
	Christiansund ...	30·07	43	NNE	5	b	30·08	+·06	44	39	+3	ESE	2	b	2	b	*	46	36	-
	Skudesnaes ...	29·97	48	NNW	4	bc	30·06	+·20	45	44	-1	E	4	r	2	bc	*	54	39	*
	Færder (Christiania F'jord)	29·95	49	NE	4	b	30·04	+·18	41	37	-2	NE	4	o	2	b	*	48	39	-
	Skagen (The Scaw)	29·92	50	E	4	b	29·98	+·17	46	43	-1	ENE	3	o	0	b	*	55	45	-
	Fanö	29·84	49	ENE	2	r	29·88	+·11	47	46	-1	NE	4	r	*	r	*	59	46	0·12
	Sumburgh Head	30·10	42	N	2	c	30·15	+·12	42	40	-1	NW	2	c	3	o, c	*	46	35	0·12
	Stornoway ...	30·14	47	ENE	3	c	30·19	+·10	48	43	+5	E	2	c	2	o, c	4·1	49	33	-
	Wick	30·08	46	N	3	bc	30·17	+·10	43	40	-1	N	2	bc	1	hp, bc	*	52	30	0·02
	Nairn	30·13	46	SW	0	c	30·20	+·12	49	46	+6	SW	0	c	0	c	*	51	36	-
	Aberdeen ...	30·11	45	N	2	bc	30·19	+·14	44	40	+4	NW	2	cp	3	c p r h g	2·3	47	34	0·03
BRITISH ISLANDS	Leith	30·10	46	N	3	o	30·20	+·15	52	44	+4	ENE	1	c	*	o	*	53	40	-
	Shields	30·08	46	NNE	3	b	30·15	+·16	45	42	+1	NNE	3	c	3	bc, b	*	48	36	-
	Spurn Head ...	30·02	46	NNE	5	c	30·09	+·19	46	42	0	N	4	c	4	cp	*	50	42	0·01
	York														*					
	Loughborough ...	30·04	50	NNE	2	c	30·14	+·21	46	41	-1	NNE	3	cmw	*	c, o, bm	*	50	31	-
	Ardrossan ...																*			
	Malin Head ...	30·12	49	NE	4	b	30·17	+·13	49	46	+5	N	1	b	0	b	*	51	42	-
	Belmullet ...	30·10	53	NNE	1	b	30·18	+·14	53	47	+4	E	1	b	*	c, b	*	55	40	0·09
	Donaghadee ...	30·10	49	E	3	bc	30·19	+·15	49	46	+3	ESE	3	bc	3	bc	*	52	43	-
	Liverpool (Bidston)	30·06	47	NNW	1	o	30·17	+·18	47	41	+2	NE	1	b	2	om	*	49	39	-
	Holyhead ...	30·06	48	NE	3	c	30·16	+·18	49	43	+3	E	2	b	1	c	*	49	43	-
	Parsonstown ...	30·06	53	E	1	c	30·18	+·17	49	44	0	NE	1	b	*	c	7·9	56	38	-
	Valencia ...	30·04	56	NW	3	bc	30·13	+·11	54	48	+3	E	2	b	3	bc	7·4	56	42	-
	Roche's Point ..	30·06	53	SW	1	c	30·14	+·14	51	47	-3	ESE	2	b	3	p, c	*	55	45	0·10
	Pembroke (St. Ann's Hd.)	30·04	50	NE	4	o	30·09	+·16	?49	43	-3	E	5	og	4	c, o	3·6	54	45	-
	Scilly	30·02	54	NNW	3	om	30·05	+·12	53	49	0	NNE	3	c	2	c, o	6·2	59	49	0·01
	Prawle Point ...	30·02	50	NE	2	o	30·09	+·20	46	43	-4	ENE	4	o	3	o, r	*	53	43	0·51
	Jersey (St. Aubin's)	29·99	54	NNE	4	cm	30·08	+·25	50	48	-5	E	4	or	3	o, cm	*	57	48	0·06
	Hurst Castle ...	30·00	52	NNE	3	o	30·11	+·28	48	44	-3	NE	3	c	2	o	*	55	42	-
	Dungeness ...	29·94	52	N	5	c	30·06	+·31	48	45	-1	NNW	3	bc	2	o, c	*	53	35	-
	North Foreland																*			
	London (Brixton) ...	29·99	49	NNE	3	bc	30·10	+·25	47	42	-1	NE	2	bc	*	c, b	1·8	52	38	-
	Oxford	30·05	46	NE	1	b	30·13	+·22	47	42	+1	NE	3	bc	*	o, b	*	53	36	-
	Cambridge ...														*					
	Yarmouth ...	29·94	49	N	5	bc	30·03	+·22	48	43	+1	N	4	bc	4	bc	*	51	42	-
GERMANY & HOLLAND	Cuxhaven ...	29·67	54	N	5	o	29·76	+·09	54	52	+3	NE	4	bc	*	o, tlr	*	55	48	0·24
	Berlin	29·60	61	E	4	o	29·63	-·00	57	53	-1	NNE	3	c	*	o	*	70	54	0·04
	Wiesbaden ...	*	*	*	*	*	29·84	+·20	51	48	-7	W	4	o	*	*	*	64	48	-
	Munich	29·72	51	SW	4	o	29·85	+·13	47	44	-1	W	6	r	*	o	*	55	46	0·43
	The Helder ...	29·82	49	N	5	c	29·91	+·23	50	47	+1	N	4	c	4	c	*	50	48	0·04
BELGIUM	Brussels ...	*	*	*	*	*	29·98	+·40	47	44	-6	NW	4	o	*	r	*	53	41	0·75
	Cape Gris Nez ...	29·95	48	NE	6	c	30·02	+·33	46	43	-5	N	4	c	4	c	*	54	43	-
	Paris	29·88	50	NNW	4	o	30·06	+·38	48	42	-1	NW	2	bc	*	o	*	57	38	0·08
	Brest	30·02	56	NW	2	c	30·04	+·25	52	50	-1	NW	2	bc	2	c	*	57	46	-
	Lorient	30·02	57	NW	3	o	30·03	+·14	53	51	0	NNW	2	m	4	o	*	61	50	-
FRANCE	Rochefort ...	29·96	59	NNW	5	c	30·00	+·16	55	53	+2	ENE	2	c	*	bc, c	*	61	52	-
	Belfort	29·73	51	WSW	5	c	29·97	+·25	41	41	-9	W	6	o	*	c	*	59	41	0·08
	Lyons	29·58	52	NW	3	o	30·02	+·20	49	48	-5	NNW	1	o	*	o	*	61	48	0·04
	Nice	29·61	65	NW	5	b	29·73	+·16	62	48	-2	NE	4	bc	2	b	*	72	55	-
	Perpignan ...	29·98	?	NW	4	b	30·06	+·14	56	50	-4	NW	2	o	*	b	*	69	53	-
	Biarritz ...	30·08	60	WNW	5	c	30·05	+·04	53	51	-6	SSW	3	r	3	c	*	63	52	0·08
PENINSULA	Corunna ...																*			
	Lisbon ... ... †	30·25	60	N	4	b	30·22	-·04	66	60	+5	NNW	3	o	*	b	*	70	59	-
	Azores (P. Delgada)	30·37	63	NW	2	b	30·33	-·04	66	63	0	NE	3	c	2	b	*	72	59	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

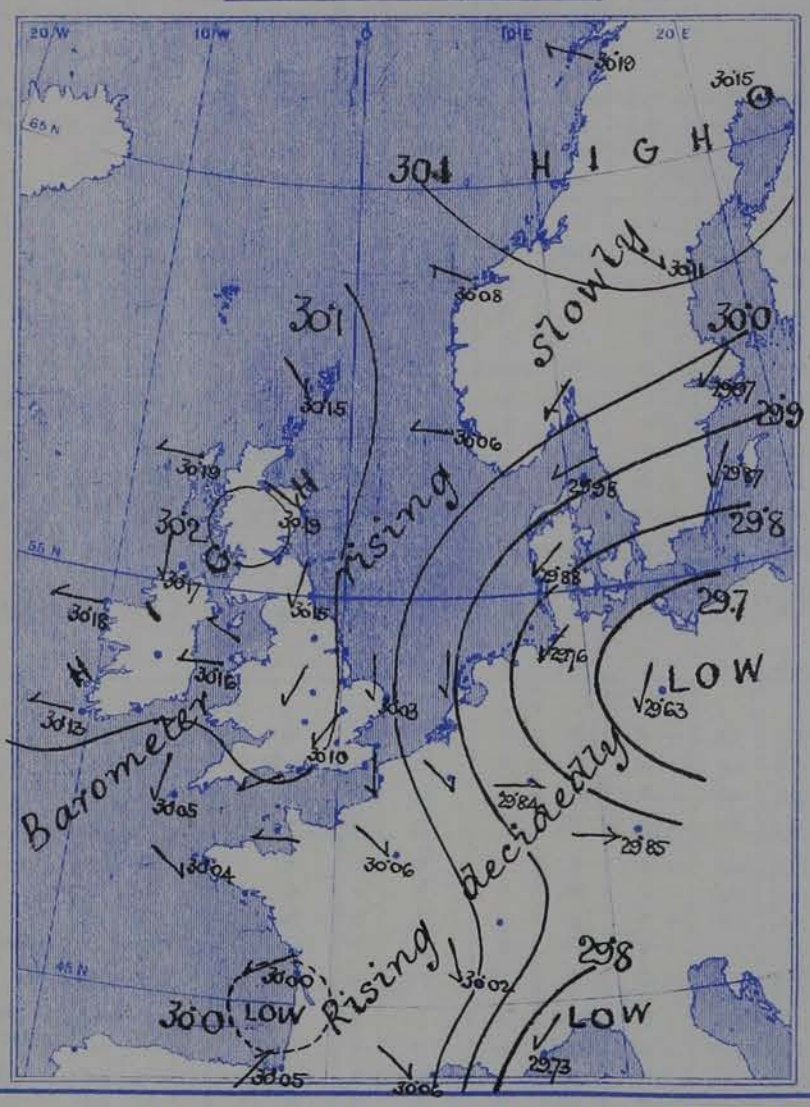
Bright Sunshine yesterday Southport ... 0·2 hrs.

WEATHER CHARTS

FOR Friday, 26th May, 1899.

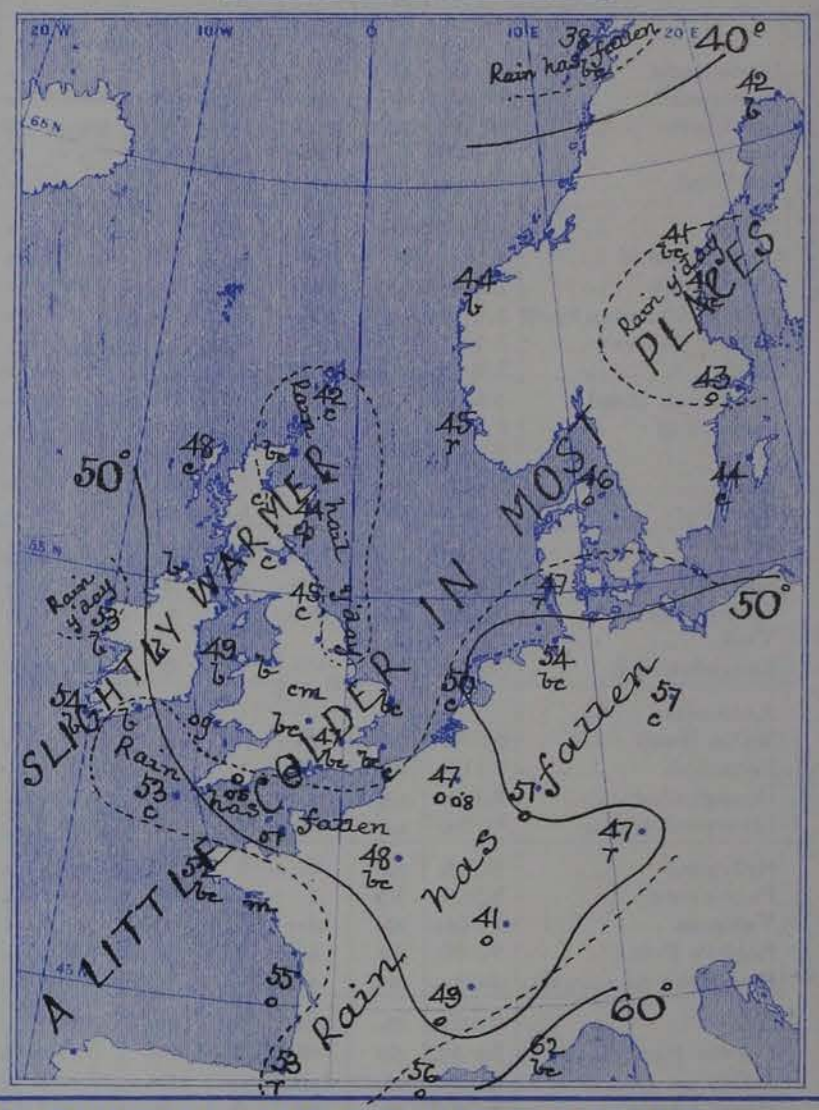
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79 ·	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30·2 ins: to 30·1 ins: over the northern, western, and central parts of our Islands. (2) 30·1 ins: and more over the north of Scandinavia.
Lowest; 29·7 ins: and less, in a depression over north Germany.
Gradients moderate over Germany, slight in our Islands.
Barometer rising generally, most over Germany. There is a slight local complication over our southwest coasts.

TEMPERATURE

Highest, 62° at Nice, 55° to 52° in the west of France and southwest of our Islands.
Lowest, 38° at Bodö, 42° at Haparanda and Lumbugh Head, 45° at Shields.
The maxima recorded yesterday were below the average for the time of year. Last night (or early this morning) a sharp frost was experienced on the grass over England. At Loughborough the lowest reading was 25°.

WIND

NE over our Islands generally; it is light in force, over Scotland it is variable in direction.
It is NW over the Bay of Biscay, W in the east of France and south Germany, and strong in the latter regions.

WEATHER

Fair over our Islands, but with heavy clouds at the English stations, fair as a whole over France.
Considerable rain has fallen at Munich, Brussels and Prawlebint, slight showers in several other places.
Bright Sunshine recorded yesterday was from 7 to 8 hours in Ireland and the Hebrides, 6 hrs: at Scilly; over the greater part of England it was very slight.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A few local thunder showers are not improbable in the southern and eastern regions, but fair weather, cold for the time of year, is still probable.

FORECASTS

For the 24 hours ending at NOON on 27th MAY, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	NE and Variable airs; fair generally.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	NE breezes, light; heavy clouds, fair generally but local thundershowers not improbable, cold.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 0 to 2.
8 ENGLAND S.W.	NE breezes, moderate; fair.
9 IRELAND NORTH 10 IRELAND SOUTH	Same as Nos. 0 to 2.
WARNINGS	NONE ISSUED

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.92	54	48	N	4	b	1
Sumburgh Head	30.08	43	40	N	3	o	4
Stornoway	30.12	46	44	E	3	o	3
Aberdeen	30.09	43	40	NE	4	c gyrth	4
Shields	30.05	46	42	NE	2	c	3
Ardrossan							
Malin Head ...	30.09	51	46	E	4	b	2
Belmullet	30.08	51	48	NE	3	c	*
Holyhead	30.04	49	45	NNE	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.06	55	49	NW	3	c	4
Scilly	30.01	54	52	N	3	c	3
Jersey	29.95	56	53	SSE	4	o	3
Hurst Castle ...	29.96	54	49	NNE	3	o	2
Dungeness ...	29.89	51	48	N	5	o	4
North Foreland							
London (Westminster)	29.95	51	45	NE	4	c	*
Yarmouth ...	29.89	51	46	NNE	5	bc	5
Rochefort ...	29.96	61	55	NW	5	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine except at one or two of our northeastern and eastern coast stations, unsettled and rainy over Central Europe and the southeast of France. Slight showers later in many parts of Europe and a few parts of the British Isles; large falls at Cape Point, Brussels, and Munich.

Temperature fallen decidedly over our Islands and France, risen over Russia and the eastern part of Europe. Morning readings highest 76° at Oran, and between 70° and 60° over the greater part of the Mediterranean; between 50° and 60° over the western and central parts of Europe and the south of the British Isles. Lowest 34° at Archangel and Hernösand, and 37° at Bodö. Not touching 60° later in any part of our Islands or the north of France, but reaching 70° at Berlin and 72° at Nice.

Winds NE³ to N³ over the United Kingdom and the North Sea; NW¹ to SW³ in the southern part of France, E³ and SE¹ over North Germany and the Baltic. Local variations observed later in the south of Ireland, but, as a rule, the NE³ current of wind was spreading southeastwards.

Barometer in morning highest (1) 30.37 ins. in the Azores and exceeding 30.2 ins. in Portugal; (2) 30.3 ins. and more to 30.0 ins. over Russia. Lowest below 29.6 ins. in a complicated series of depressions over Central Europe and the southeast of France. Rising during day over the British Islands as a whole and the North Sea, but unsteady in the southwest of our Islands at evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 27th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·19	42	L	0	b	30·19	+·04	47	39	−5	NE	2	b	*	b	*	50	25	-
	Hernösand ...	30·17	42	L	0	b	30·15	+·04	46	38	+5	N	2	b	*	b	*	52	30	-
	Stockholm ...	29·99	43	NNE	4	b	29·91	−·06	44	41	+1	NNE	8	o	*	b	*	48	39	-
	Wisby	29·86	42	NE	8	c	29·75	−·12	40	40	−4	NNE	8	r	*	c	*	46	36	-
	Karlstad ...	30·06	46	ENE	2	c	30·07	+·04	47	42	+4	NE	2	bc	*	c	*	*	*	-
	Bodö	30·23	41	L	0	b	30·23	+·04	41	37	+3	E	2	b	1	b	*	45	34	-
	Christiansund ...	30·15	46	ESE	2	b	30·25	+·17	46	41	+2	W	2	b	2	b	*	48	37	-
	Skudesnaes ...	30·12	50	NNW	4	bc	30·21	+·15	47	44	+2	NNW	6	b	2	bc	*	54	41	*
	Færder (Christiania Fjord)	30·06	50	WSW	2	bc	30·13	+·09	49	43	+8	N	4	b	2	bc	*	50	41	-
	Skagen (The Scaw)	30·06	49	ENE	3	b	30·08	+·10	47	42	+1	NE	4	bc	1	b	*	59	46	-
	Fanö	29·86	44	NNE	2	b	30·08	+·20	48	43	+1	NE	4	b	*	b	*	50	43	0·08
BRITISH ISLANDS.	Sumburgh Head	30·21	46	NW	2	bc	30·31	+·16	47	44	+5	W	2	b	3	bc	*	48	38	-
	Stornoway	30·21	52	ESE	3	b	30·34	+·15	49	44	+1	WNW	3	bc	3	b	15·1	53	34	-
	Wick ...	30·22	46	N	1	b	30·33	+·16	52	50	+9	S	1	b	1	b	*	52	35	-
	Nairn	30·27	50	E	1	b	30·35	+·15	47	43	−2	W	1	b	1	b	*	53	29	-
	Aberdeen ...	30·25	45	E	3	b	30·36	+·17	51	44	+7	E	1	b	1	bc. b	9. 2	51	32	-
	Leith	30·21	52	ENE	2	b	30·38	+·18	53	46	+1	ENE	1	b	*	b	*	54	40	-
	Shields	30·22	45	N	3	b	30·34	+·19	46	43	+1	NNE	3	c	3	b	*	48	38	-
	Spurn Head ...	30·17	48	N	5	bc	30·30	+·21	44	42	−2	N	4	cv	4	bcv	*	50	43	-
	York														*					
	Loughborough ...	30·19	49	N	2	c	30·34	+·20	46	41	0	N	2	bmw	*	c.bc bm	*	52	31	-
	Ardrossan ...																*			
	Malin Head ...	30·24	50	NE	3	b	30·37	+·20	52	47	+3	N	1	b	0	b	*	54	43	-
	Belmullet ...	30·23	55	NE	1	bc	30·39	+·21	52	49	−1	SSW	1	b	*	c.bc	*	56	42	-
	Donaghadee ...	30·23	52	SSE	3	b	30·39	+·20	50	47	+1	NNE	3	b	2	b	*	53	41	-
	Liverpool (Bidston)	30·22	49	NNW	2	o	30·37	+·20	48	43	+1	L	0	b	?	cm, o	*	51	42	-
	Holyhead ...	30·23	49	NNE	2	b	30·37	+·21	51	47	+2	NW	3	b	2	bc.b	*	51	42	-
	Parsonstown ...	30·27	53	E	1	c	30·42	+·24	49	43	0	W	1	b	*	c	9.5	57	34	-
	Valencia ...	30·21	56	SW	2	c	30·41	+·28	52	46	−2	L	0	bm	1	bc. c	8·4	58	40	-
	Roche's Point ..	30·22	52	ESE	4	bc	30·45	+·31	52	48	+1	NE	2	b	2	bc	*	55	40	-
	Pembroke (St. Ann's Hd.)	30·20	49	NE	3	o	30·37	+·28	52	49	+3	NNE	2	bm	3	c. o	1·4	52	42	-
	Scilly	30·12	54	E	4	c	30·33	+·28	52	46	−1	ENE	3	bc	1	c	11·2	57	45	-
	Prawle Point ...	30·15	48	ENE	3	c	30·34	+·25	50	46	+4	ENE	3	bc	2	c	*	52	40	-
	Jersey (St. Aubin's)	30·12	46	ENE	3	om	30·29	+·21	50	44	0	NE	4	bc	4	op	*	50	45	0·14
	Hurst Castle ...	30·14	52	NE	2	c	30·30	+·19	50	45	+2	NNE	4	bc	2	c	*	55	39	-
	Dungeness ...	30·11	50	NNW	3	c	30·22	+·16	50	48	+2	N	5	bc	3	c	*	54	35	-
	North Foreland																*			
	London (Brixton) ...	30·14	49	N	1	o	30·28	+·18	46	41	−1	N	4	bc	*	c, bc	3·4	52	36	-
	Oxford	30·21	45	NNE	1	o	30·33	+·20	47	42	0	N	2	b	*	o. bc	*	53	35	-
	Cambridge ...														*					
	Yarmouth ...	30·12	49	N	4	bc	30·24	+·21	49	45	+1	N	5	bc	4	b, bc	*	51	42	0·05
GERMANY & HOLLAND.	Cuxhaven ...	29·87	57	NE	3	o	30·02	+·26	50	46	−4	N	4	bc	*	o	*	59	46	-
	Berlin	29·77	49	NW	5	r	29·88	+·25	48	46	−9	NW	3	o	*	r	*	59	46	0·20
	Wiesbaden ...	*	*	*	*	*	30·02	+·18	50	46	−1	SW	3	o	*	*	*	55	48	-
	Munich... ..	30·01	46	SW	6	bc	30·06	+·21	48	44	+1	W	5	b	*	bc	*	50	41	0·20
	The Helder ...	30·00	50	N	5	o	30·13	+·22	49	45	−1	N	4	bc	4	o	*	50	48	0·04
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	30·15	+·17	44	43	−3	NNE	4	r	*	b	*	53	45	0·12
	Cape Gris Nez ...	30·09	48	ENE	4	c	30·15	+·13	49	45	+3	ENE	5	c	5	c	*	55	43	-
	Paris	30·08	53	N	2	bc	30·14	+·08	47	43	−1	WSW	2	bc	*	bc	*	56	38	-
	Brest	30·01	55	N	3	bc	30·25	+·21	47	44	−5	NE	2	o	2	bc	*	59	39	-
	Lorient... ...	30·03	57	NNW	3	c	30·19	+·16	48	47	−5	ENE	5	c	4	c	*	63	48	-
	Rochefort ...	30·00	59	NW	3	c	30·06	+·06	54	50	−1	NE	3	c	*	c	*	64	48	-
	Belfort														*		*			
	Lyons	30·01	56	NE	1	bc	30·06	+·04	48	44	−1	NNW	2	b	*	bc	*	63	44	-
	Nice	29·80	63	SW	5	b	29·86	+·13	58	54	−4	E	2	bc	1	b	*	72	50	-
	Perpignan ...	30·00	65	NW	2	o	30·02	−·04	58	55	+2	W	2	o	*	o	*	72	54	0·08
	Biarritz ...	30·01	59	NW	2	o	30·05	·00	55	53	+2	SE	2	o	2	o	*	63	52	0·32
PENINSULA.	Corunna ...																*			
	Lisbon	30·20	64	NNW	8	o	30·20	−·02	64	56	−2	NNE	4	bc	*	o	*	70	59	-
	Azores (P. Delgada)	30·33	66	SE	2	c	30·29	−·04	65	63	−1	SSW	2	o	2	c	*	73	61	0·08

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

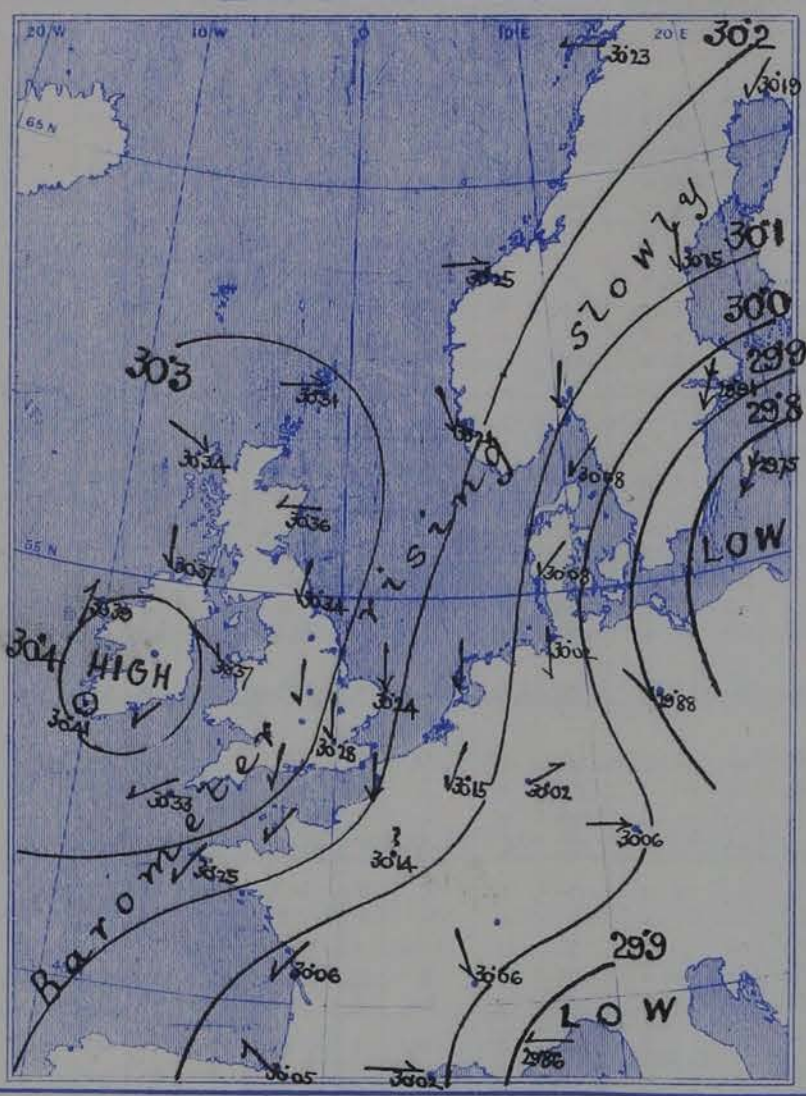
Bright Sunshine yesterday Southport 4·6 hrs;

WEATHER CHARTS

FOR Saturday, 27th May, 1899.

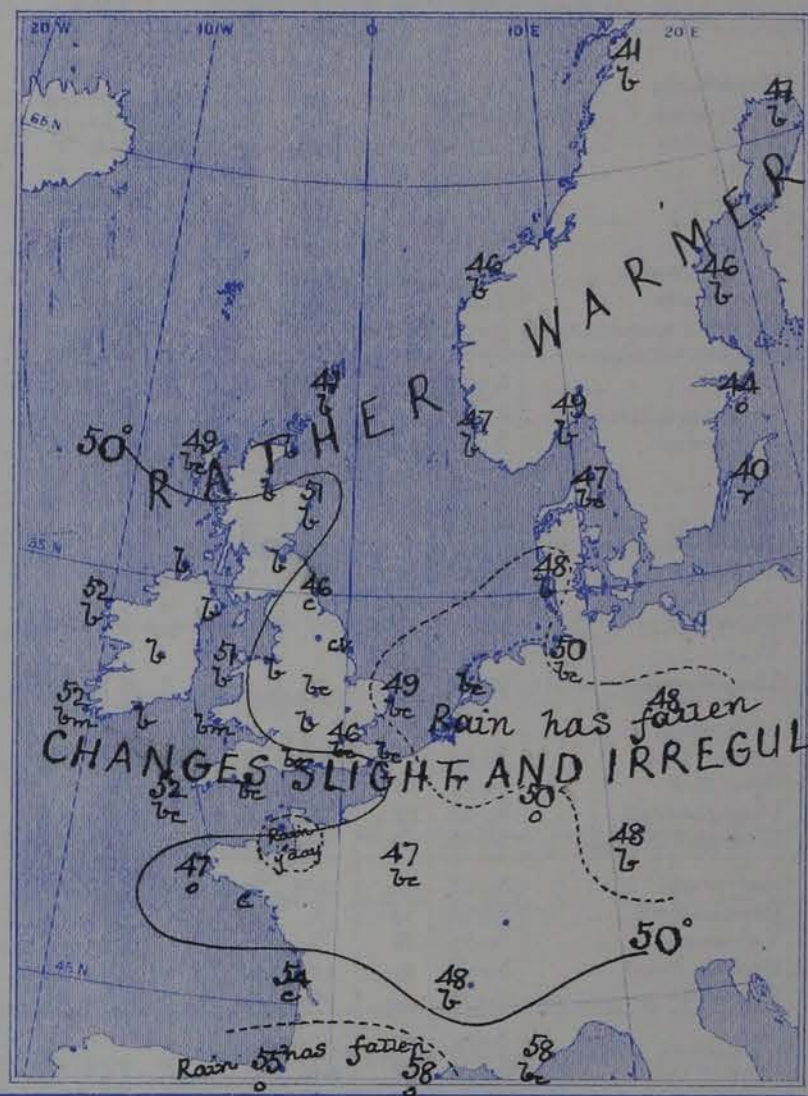
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—Rough *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 8	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 in: and more over Ireland, and exceeding 30·2 in: all over our Islands, the north of France and the west of Norway.
Lowest, 29·8 in: and less, over the Baltic and northeast of Germany.
Gradients slight in our Islands; distribution anticyclonic. Barometer still rising generally.

TEMPERATURE

Highest, 58° on the south coast of France, 52° at Scilly and on the south coast of Ireland, 50° at Wiesbaden, 51° at Aberdeen.
Lowest, 41° at Bodö, 40° at Wisby, 47° at the Seaw and at Skudesnaes
There was again a frost on the grass over our inland districts last night or early this morning.

WIND

Anticyclonic in our Islands – N. at the eastern stations, NE. in the south, S. at Belmullet, W. in the Shetlands and Hebrides. A N. gale is blowing in the Baltic, and fresh N. breezes on the eastern shores of the North Sea.

WEATHER

Fair over our Islands generally, and air dry. The only stations reporting rain now are Wisby and Brussels.
The rain which fell yesterday was confined to Paris, certain German stations, Brussels, Jersey, and the southwest of France
Bright Sunshine yesterday was 15 hours at Stornoway, 11 hours at Scilly, but less than 4 hours in London.

SEA

Moderate in the east and south, smooth in the west and north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of cold N. winds is probable over England, but some warmer weather in Scotland and Ireland.

FORECASTS

For the 24 hours ending at NOON on 28th MAY, 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	Wind shifting gradually to the SW., fine, warmer.	6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	Similar Winds to Nos 0 to 2, but some rain tomorrow.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	NE. and N. winds, moderate to light; fair, cold. Perhaps milder tomorrow.	WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Lerwick	30·08	54	46	W	4	b	2
Wick	30·17	46	42	NW	2	bc	3
Stornoway	30·26	51	45	SE	2	b	2
Aberdeen	30·22	46	42	E	3	bc	3
Shields	30·20	47	43	N	3	b	3
Ardrossan							
Malin Head	30·20	53	49	NNE	2	b	0
Belmullet	30·26	56	49	ENE	1	c	*
Helvick	30·21	50	45	NE	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·17	56	50	SW	2	bc	3
Scilly	30·09	54	48	NNW	2	c	1
Jersey	30·10	49	47	ENE	4	o rm	3
Hurst Castle	30·13	54	47	NE	1	c	1
Dungeness	30·09	51	47	NNE	3	c	2
North Foreland							
London (Westminster)	30·12	51	45	NNE	2	o	*
Yarmouth	30·08	50	44	N	4	b	4
Rochefort	30·02	63	57	NW	3	e	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over our Islands except slight showers at some eastern stations. Less fair over the Continent, with rain both over Central Europe and the southwest of France. Rain falling in these regions later and also at Jersey; fair dry weather prevalent in our Islands.

Temperature fallen over France and Central Europe, very low over England in early morning. Morning readings highest about 73° in Greece and Algiers and exceeding 60° over the Mediterranean generally, 55° to 52° in the west of France and extreme southwest and west of our Islands, 58° to 50° over Central Europe. Failing to touch 60° in our Islands all day, and falling to below the freezing point at some inland stations during the night. Rising during afternoon to 63° at Brest, and 72° at Nice and Perpignan.

Wind very light and anticyclonic over the west and north of our Islands, N and NE over England and the North Sea, NW in France, W (strong) over Central Europe, S to SE over Russia. Little change later in our Islands, but the N. wind over the Baltic increasing in force.

Barometer in morning highest 30·1 in. and more over nearly the whole of our Islands, and exceeding 30·0 in. over the United Kingdom, France, and Spain as a whole, (some shallow local depressions being in the southwest of France and Central Spain). Lowest 29·5 in. and less to 29·6 in. in a complex depression over Central Europe, and in a secondary over the Riviera. Rising over most countries later, and depression over Central Europe moving towards Russia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 28th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·07	44	2	0	b	30·07	− ·02	47	40	0	N	4	c	*	b	*	55	28	—
	Hernösand ...	30·15	46	E	2	b	30·18	+ ·03	47	38	+ 1	NE	4	bc	*	b	*	57	32	—
	Stockholm ...	29·91	45	N	8	0	29·95	+ ·04	41	39	− 3	N	8	r	*	0	*	48	36	0·08
	Wisby	29·76	40	NNE	8	r	29·86	+ ·11	39	39	− 1	N	8	r	*	r	*	41	36	0·75
	Karlstad ...	30·08	51	N	2	0	30·16	+ ·09	48	39	+ 1	WNW	6	b	*	0	*	*	*	—
	Bodö	30·34	41	SW	2	b	30·34	+ ·11	44	39	+ 3	ESE	2	bc	1	b	*	46	34	—
	Christiansund ...	30·33	46	WNW	2	b	30·39	+ ·14	51	47	+ 5	NE	1	b	2	b	*	52	39	—
	Skudesnaes ...	30·29	48	N	6	b	30·32	+ ·11	48	45	+ 1	N	6	b	2	b	*	52	43	*
	Færder (Christiania Fjord)	30·10	54	NNE	4	b	30·25	+ ·12	48	41	− 1	N	6	b	2	b	*	54	46	—
	Skagen (The Scaw)	30·11	50	NNW	4	b	30·22	+ ·14	47	42	0	NE	4	b	1	b	*	57	46	—
	Fanö	30·48	47	N	4	bc	30·24	+ ·16	49	44	+ 1	N	2	b	*	bc	*	61	45	—
BRITISH ISLANDS.	Sumburgh Head	30·36	49	W	2	b	30·40	+ ·09	50	48	+ 3	W	2	c	3	b	*	51	43	—
	Stornoway ...	30·38	58	W	3	c	30·43	+ ·09	55	50	+ 6	WSW	2	b	2	b	14·7	59	41	—
	Wick	30·42	54	2	0	b	30·47	+ ·14	56	53	+ 4	2	0	b	0	bc, c	*	56	32	—
	Nairn	30·38	55	2	0	b	30·47	+ ·12	54	48	+ 7	W	1	b	1	b	*	59	32	—
	Aberdeen ...	30·41	48	S	2	b	30·47	+ ·11	54	47	+ 3	E	2	b	1	b	15·8	56	35	—
	Leith	30·38	55	ENE	1	b	30·48	+ ·10	59	50	+ 6	WSW	1	bm	*	b	*	59	40	—
	Shields	30·43	47	NNE	3	b	30·48	+ ·14	55	48	+ 9	WSW	2	bem	2	b	*	55	38	—
	Spurn Head ...	30·36	48	N	5	b	30·47	+ ·17	49	45	+ 5	N	4	b	4	b	*	51	40	—
	York														*					
	Loughborough ...	30·37	54	NE	3	b	30·51	+ ·17	49	44	+ 3	N	2	bw	*	bc, bm	*	57	30	—
	Ardrossan ...																*			
	Malin Head ...	30·45	52	E	1	b	30·49	+ ·19	55	51	+ 3	SSW	1	bm	0	b	*	55	46	—
	Belmullet ...	30·47	57	W	1	b	30·50	+ ·11	56	50	+ 4	SSW	1	b	*	b	*	58	42	—
	Donaghadee ...	30·43	53	NE	4	b	30·54	+ ·15	52	47	+ 2	NNE	3	b	2	b	*	54	39	—
	Liverpool (Bidston)	30·40	49	WNW	2	b	30·51	+ ·14	53	49	+ 5	SE	1	b	1	b	*	55	42	—
	Holyhead ...	30·42	52	NW	2	b	30·50	+ ·13	55	51	+ 4	N	1	b	1	b	*	56	47	—
	Parsonstown ...	30·44	59	NW	1	c	30·53	+ ·11	54	50	+ 5	S	1	b	*	b, c	9·4	61	27	—
	Valencia ...	30·48	54	WSW	3	bc	30·50	+ ·09	54	49	+ 2	SSE	3	bem	3	b, bem	11·5	55	40	—
	Roche's Point ..	30·48	55	SSE	3	b	30·52	+ ·07	52	50	0	N	2	b	2	b	*	58	43	—
	Pembroke (St. Ann's Hd.)	30·43	55	N	3	b	30·52	+ ·15	54	52	+ 2	NNW	3	b	3	b	13·2	55	44	—
	Scilly	30·43	54	N	3	b	30·47	+ ·14	55	51	+ 3	NNE	3	bw	0	b	13·4	57	46	—
	Prawle Point ...	30·39	50	WNW	2	b	30·50	+ ·16	50	45	0	ENE	3	bc	2	b	*	55	43	—
	Jersey (St. Aubin's)	30·36	53	NNW	4	b	30·47	+ ·18	51	46	+ 1	NE	4	bc	3	b	*	53	45	—
	Hurst Castle ...	30·35	55	NE	3	bem	30·47	+ ·17	51	46	+ 1	NE	3	b	2	c, bem	*	57	38	—
	Dungeness ...	30·31	50	NNE	3	c	30·41	+ ·19	50	48	0	N	4	c	3	c	*	55	35	0·01
	North Foreland																*			
	London (Brixton) ...	30·34	51	N	2	c	30·46	+ ·18	51	45	+ 5	NNE	3	bc	*	b, o, c, b	6·1	54	40	—
	Oxford	30·41	48	NE	2	b	30·51	+ ·18	48	43	+ 1	NNE	2	b	*	b	*	55	34	—
	Cambridge ...														*					
	Yarmouth ...	30·31	49	N	5	bem	30·40	+ ·16	50	45	+ 1	N	4	bc	4	bem	*	52	45	—
GERMANY & HOLLAND.	Cuxhaven ...	30·41	52	NNW	6	0	30·20	+ ·18	53	50	+ 3	NW	2	bc	*	0	*	55	48	—
	Berlin	29·99	53	NW	4	bc	30·10	+ ·22	51	45	+ 3	NW	4	c	*	bc	*	61	46	—
	Wiesbaden ...	*	*	*	*	*	30·21	+ ·19	51	47	+ 1	N	2	c	*	*	*	55	48	—
	Munich... ..	30·10	50	SW	2	c	30·14	+ ·08	47	46	− 1	SE	2	c	*	c	*	57	43	—
	The Helder ...	30·22	49	N	4	0	30·32	+ ·19	50	45	+ 1	N	4	c	3	0	*	52	47	—
BELGIUM.	Brussels ...	*	*	*	*	*	30·35	+ ·20	48	45	+ 4	N	4	c	*	r	*	49	42	0·35
	Cape Gris Nez ..	30·27	49	ENE	5	c	30·34	+ ·19	48	45	− 1	NE	5	c	5	c	*	54	45	—
	Paris	30·25	51	N	4	0	30·33	+ ·19	46	44	− 1	N	4	b	*	0	*	58	44	—
	Brest	30·20	52	ENE	3	b	30·44	+ ·19	48	44	+ 1	E	3	b	1	b	*	55	41	—
	Lorient... ...	30·36	52	NNE	5	bc	30·43	+ ·24	49	47	+ 1	NNW	3	c	4	bc	*	63	45	—
FRANCE &	Rochefort ...	30·48	57	NNE	5	0	30·32	+ ·26	46	44	− 8	NE	4	b	*	0	*	64	43	—
	Belfort	30·05	50	NW	4	c	30·13		48	47		2	0	0	*	c	*	57	40	—
	Lyons	30·08	55	N	3	b	30·15	+ ·09	46	42	− 2	NNW	3	0	*	0	*	61	44	—
	Nice	29·92	56	SE	4	c	29·89	+ ·03	58	52	0	ENE	2	c	2	c	*	66	48	—
	Perpignan ...	30·07	60	NW	3	bc	30·16	+ ·14	53	46	− 5	NW	4	b	*	bc	*	67	50	—
	Biarritz ...	30·27	59	NW	5	0	30·28	+ ·23	50	46	− 5	NE	2	0	2	0, br	*	63	48	0·12
PENINSULA.	Corunna ...																*			
	Lisbon	30·19	60	N	5	b	30·21	+ ·01	64	55	0	NE	5	b	*	b	*	70	59	—
	Azores (P. Delgada)	30·30	66	SSW	3	bc	30·26	− ·03	64	63	− 1	WNW	3	m	3	bc	*	73	63	0·04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

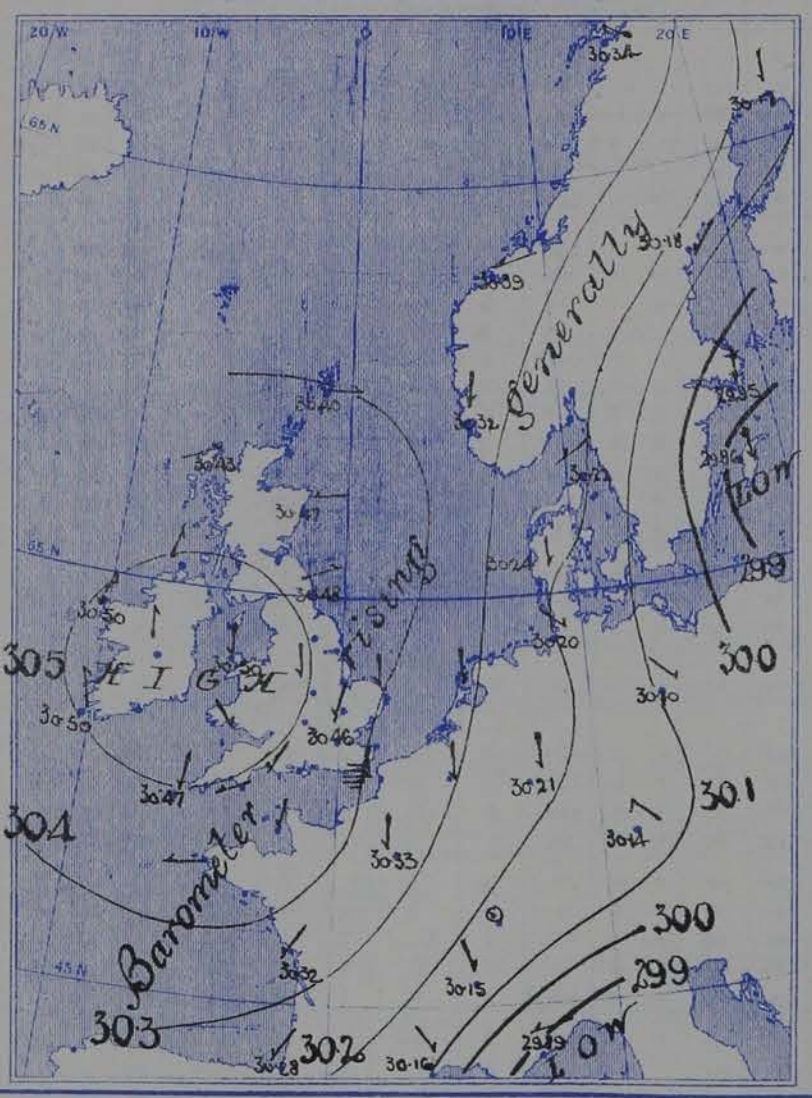
Bright Sunshine yesterday Southport 11·8 hrs;

WEATHER CHARTS

FOR Sunday, 28th May, 1899.

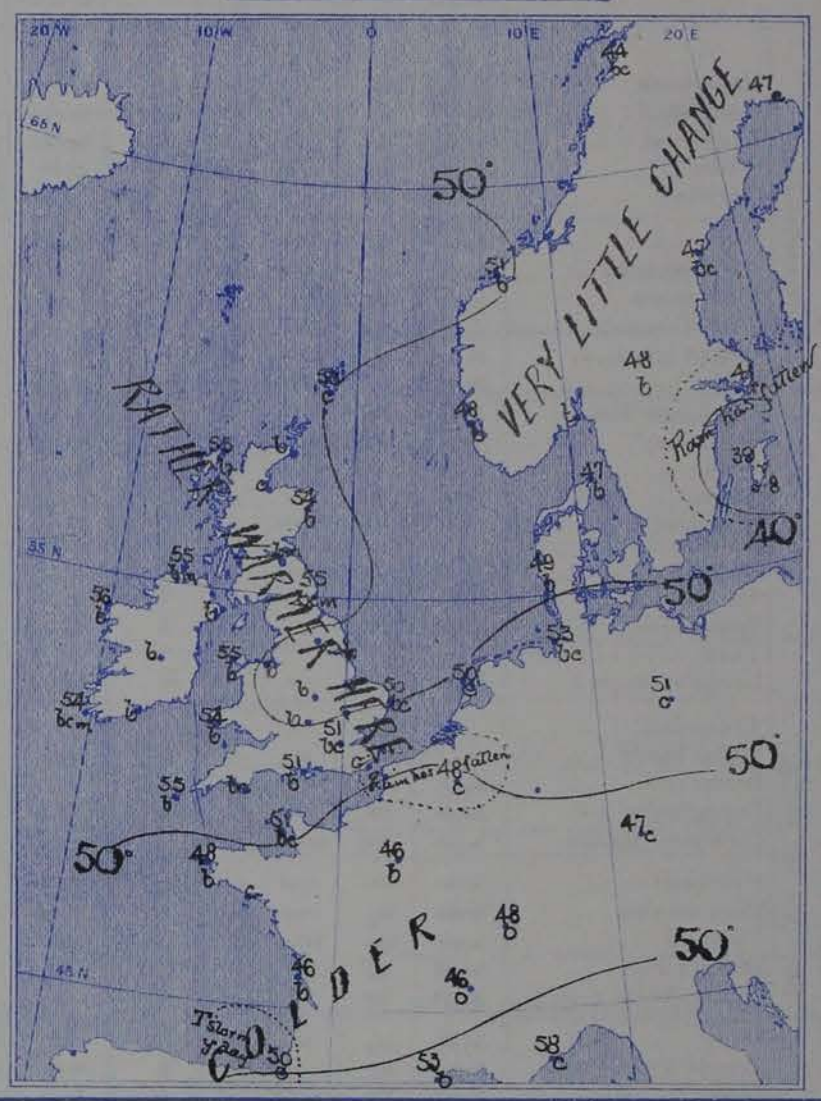
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	34*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 ins: and more to 30·4 ins: in an anticyclone covering the whole of our Islands.
Lowest, 29·9 ins: and less over the Baltic.
Gradients slight in our Islands, distribution anticyclonic.
Barometer still rising a little except in the extreme west of our Islands, where a slight fall has occurred during the night.

TEMPERATURE

Highest, 56° to 54° at our southeastern and eastern stations and in Scotland, 59° at Leith.
Lowest, 39° at Wisby, 41° at Stockholm, 44° at Bodö, 49° at Spurn Head.
There has again been some frost at our midland stations in the night, but the thermometer is rising briskly as the day advances.

WIND

N, moderate on our eastern coasts and over the North Sea; also in the Baltic, and still blows hard at the Baltic stations.
NE and E in the south of England and over the north and west of France; S, very light, in many parts of Ireland; variable and faint over Scotland.

WEATHER

Fine over Western Europe generally, but rain is falling at Stockholm and Wisby.
Since yesterday morning rain has fallen at Brussels and Biarritz; a thunderstorm occurred at the latter station.
Bright Sunshine recorded yesterday ranged from 6·1 hours in London to 15·8 hours at Aberdeen.

SEA

Moderate to slight on our southeastern and southern coasts, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 29TH MAY, 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·25	52	46	NNW	6	b	2
Sumburgh Head	30·33	50	47	W	2	b	3
Stornoway	30·34	58	49	S	3	bc	3
Aberdeen	30·39	51	45	SE	2	b	2
Shields	30·40	48	44	NNE	3	b	3
Ardrossan							
Malin Head ...	30·41	53	48	E	2	b	0
Belmullet	30·50	58	51	W	1	b	*
Holyhead	30·41	56	51	NW	2	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·45	55	49	W	2	b	3
Scilly	30·41	56	54	ENE	3	b	1
Jersey	30·35	52	46	NNE	5	bc	4
Hurst Castle ...	30·33	54	47	NNE	3	c	3
Dungeness ...	30·26	53	49	NNE	4	c	3
North Foreland							
London (Westminster)	30·32	52	43	NNE	3	o	*
Yarmouth ...	30·28	51	46	N	4	bc	4
Rochefort ...	30·12	61	54	NNE	4	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and dry over northern Europe, the British Islands and their neighbourhood and over Southern Europe, dull and unsettled over the Central countries. Continuing fine and dry in our Islands later, but rain falling in considerable quantity (1) in the south of Sweden and at Brussels, (2) at Biarritz. Thunderstorm at the latter station.

Temperature low over the United Kingdom. Morning readings highest 76° at Oran, and exceeding 60° over the Mediterranean generally, and in the south of Russia; 52° to 50° in the south and west of our Islands, 53° at Leith. Lowest 40° at Wick, 41° at Bodö and Haparanda and below 50° over nearly the whole of northern Europe and the north of Scotland. Not reaching 60° at any of our own stations later, but touching 61° at Berlin, 64° at Rochefort, 67° at Perpignan, 70° at Lisbon.

Wind (1) Anticyclonic over the British Islands — N. to E. over England, variable in Ireland and Scotland; (2) Cyclonic NE. over Finland, Sweden, and the eastern shores of the North Sea, NW. to SW. over Germany — Blowing a gale at Stockholm and Wick; (3) very variable over southern Europe. Moderating in force over England later but gale continuing at Stockholm.

Barometer highest 30·4 ins. and more over Ireland, and exceeding 30·2 ins. all over our Islands, the west of Norway, the northwest of France, and exceeding 30·0 inches over the Spanish Peninsula and over the southeastern parts of the Mediterranean. Lowest 29·3 ins. to 29·5 ins. in a depression having its centre near Memel. Gradients steep over north Germany and the southern parts of the Baltic. Still increasing over our Islands later and over the North Sea and France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Monday, 29th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	30·19	43	N	2	b	30·04	-·13	46	39	-1	ENE	2	b	*	b	*	54	32	-
	Hernösand ...	30·19	46	2	0	b	30·08	-·10	50	42	+3	N	2	b	*	b	*	59	39	-
	Stockholm ...	30·04	46	N	8	0	30·02	+·07	46	40	+5	NNW	6	bc	*	0	*	46	39	-
	Wisby	29·99	41	N	9	r	30·00	+·14	41	39	+2	N	8	r	*	r	*	41	36	0·12
	Karlstad ...	30·16	54	N	2	b	30·17	+·01	48	41	0	NW	2	b	*	b	*	*	*	-
	Bodö	30·10	42	ESE	2	0	30·03	-·31	44	42	0	S	4	c	3	0	*	46	39	0·16
	Christiansund ...	30·33	50	NE	5	0	30·18	-·21	46	44	-5	W	6	r	4	0	*	52	43	0·12
	Skudesnaes ...	30·36	49	NNW	6	b	30·33	+·01	50	48	+2	NNW	4	0	2	b	*	54	43	*
	Færder (Christiania Fjord)	30·19	54	W	2	b	30·21	-·04	52	46	+4	2	0	b	0	b	*	57	48	-
	Skagen (The Scaw)	30·22	51	NW	3	b	30·22	·00	51	47	+4	NE	2	b	0	b	*	57	46	-
	Fanö	30·25	47	NNW	2	b	30·27	+·03	50	48	+1	NW	2	c	*	b	*	57	43	-
BRITISH ISLANDS.	Sumburgh Head	30·39	52	W	3	bc	30·33	-·07	49	49	-1	W	3	0	4	bc	*	53	42	-
	Stornoway ...	30·43	59	W	3	c	30·36	-·11	54	49	-2	WSW	3	c	3	b, c	12·6	62	41	-
	Wick	30·49	51	2	0	b	†30·35	-·12	57	54	+1	2	0	bc	0	b	*	66	43	-
	Nairn	30·42	55	E	3	bc	30·41	-·06	54	50	0	W	1	m	1	bc	*	66	38	-
	Aberdeen ...	30·47	51	SE	1	b	30·40	-·07	58	52	+4	N	1	bcw	1	b	15·3	59	40	-
	Leith	30·43	62	E	3	b	30·42	-·06	58	52	-1	WNW	2	0	*	b	*	63	43	-
	Shields	30·47	51	E	3	b	30·43	-·05	52	47	-3	2	0	cm	2	b	*	59	41	-
	Spurn Head ...	30·46	52	NE	2	b	30·43	-·04	51	46	+2	NE	1	bv	3	b	*	56	43	-
	York														*					
	Loughborough ...	30·46	63	NE	1	b	30·46	-·05	53	46	+4	ESE	1	bw	*	b.bc.bm	*	64	35	-
	Ardrossan ...																*			
	Malin Head ...	30·48	52	ESE	2	b	30·42	-·07	57	50	+2	S	1	bm	0	b	*	58	49	-
	Belmullet ...	30·46	58	SW	2	b	30·42	-·08	56	51	0	SSE	2	bc	*	b	*	61	48	-
	Donaghadee ...	30·50	55	SE	2	b	30·45	-·09	56	52	+4	ESE	1	bc	2	b	*	60	44	-
	Liverpool (Bidston)	30·48	54	W	2	b	30·45	-·06	54	50	+1	WNW	1	b	2	b	*	59	46	-
	Holyhead ...	30·50	53	N	2	bc	30·46	-·04	58	53	+3	2	0	b	0	bc	*	58	44	-
	Parsonstown ...	30·47	63	SW	1	0	30·46	-·07	55	49	+1	SW	1	0	*	b, 0	10·2	65	43	-
	Valencia ...	30·47	57	S	4	bm	30·47	-·03	58	50	+4	SE	3	cm	3	bm	8·7	60	51	-
	Roche's Point ..	30·53	58	SE	2	b	30·47	-·05	53	51	+1	SE	1	f	2	b, f	*	59	45	-
	Pembroke (St. Ann's Hd.)	30·49	57	NE	2	b	30·45	-·07	57	54	+3	NE	1	b	1	b	1·4	58	45	-
	Scilly	30·49	56	NNE	2	b	30·42	-·05	55	52	0	N	2	b	0	b	1·4	58	51	-
	Prawle Point ...	30·48	50	WNW	3	b	30·44	-·06	57	51	+7	ENE	2	b	1	b	*	57	44	-
	Jersey (St. Aubin's)	30·48	54	NNW	3	b	30·43	-·04	55	50	+4	NE	4	bm	3	b	*	56	47	-
	Hurst Castle ...	30·44	60	NE	3	c	30·44	-·03	54	49	+3	NE	1	bm	1	c	*	64	43	-
	Dungeness ...	30·41	53	ENE	3	b	30·40	-·01	52	50	+2	NE	3	c	2	b	*	58	38	-
	North Foreland																*			
	London (Brixton) ...	30·42	59	N	4	b	30·45	-·01	54	47	+3	N	2	bm	*	bc.b	10·7	63	40	-
	Oxford	30·47	53	ENE	1	b	30·46	-·05	52	47	+4	2	0	m	*	b	*	62	37	-
	Cambridge ...														*					
	Yarmouth ...	30·45	53	N	4	bc	30·43	+·03	52	48	+2	NNE	3	bv	3	bc	*	54	45	-
GERMANY & HOLLAND.	Cuxhaven ...	30·35	52	N	4	b	30·26	+·06	52	49	-1	NNW	2	b	*	b	*	59	48	-
	Berlin	30·15	55	NW	4	bc	30·17	+·07	50	46	-1	NW	4	b	*	bc	*	63	45	-
	Wiesbaden ...	*	*	*	*	*	30·25	+·04	50	45	-1	NW	3	b	*	*	*	57	46	-
	Munich... ..	30·13	50	SSW	3	0	30·20	+·06	50	44	-3	NE	5	bc	*	0	*	55	43	-
	The Helder ...	30·34	50	N	4	bc	30·35	+·03	51	48	+1	N	4	bc	3	bc	*	52	46	-
BELGIUM.	Brussels ...	*	*	*	*	*	30·39	+·04	47	44	-1	N	1	0	*	b	*	57	41	0·04
	Cape Gris Nez...	30·38	49	ENE	5	b	30·35	+·01	49	45	+1	E	4	0	4	b	*	55	45	-
	Paris	30·33	54	NNE	3	c	30·36	+·03	48	44	+2	NNE	2	b	*	c	*	59	40	-
	Brest	30·46	54	ENE	3	b	30·40	-·04	50	47	+2	ENE	1	b	1	b	*	59	39	-
	Lorient... ...	30·42	55	ENE	4	b	30·40	-·03	48	46	-1	NNE	2	b	2	b	*	59	45	-
FRANCE &	Rochefort ...	30·32	57	NE	2	0	30·30	-·02	47	45	+1	NE	4	b	*	0	*	64	43	-
	Belfort	30·15	51	NNE	4	0	30·17	+·04	49	44	+1	NE	4	0	*	0	*	56	43	-
	Lyons	30·13	47	N	2	r	30·14	-·01	48	44	+2	N	3	c	*	r	*	53	44	0·08
	Nice	29·88	55	NW	2	bc	29·90	+·01	54	48	-4	NE	2	c	1	bc	*	66	48	0·35
	Perpignan ...	30·17	57	NW	4	bc	30·16	·00	56	48	+3	NW	5	b	*	bc	*	65	51	-
	Biarritz ...	30·30	55	N	4	c	30·26	-·02	52	48	+2	ENE	3	b	2	c	*	57	46	-
PENINSULA.	Corunna ...																*			
	Lisbon	30·11	75	N	4	b	30·05	-·16	64	50	0	NNE	5	b	*	b	*	79	61	-
	Azores (P. Delgada)	30·34	63	N	3	bc	30·31	+·05	62	56	-2	NNW	4	c	3		*	72	59	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

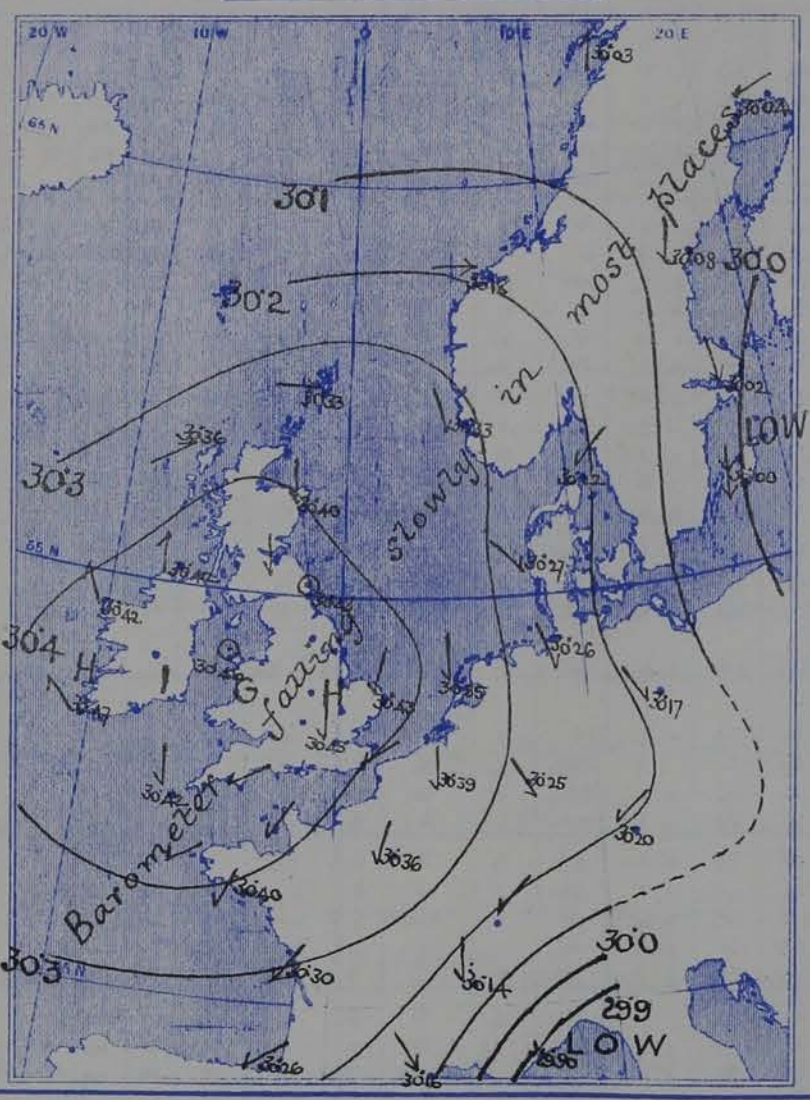
Bright Sunshine yesterday Southport 13·8 hrs;

WEATHER CHARTS

FOR Monday, 29th May, 1899.

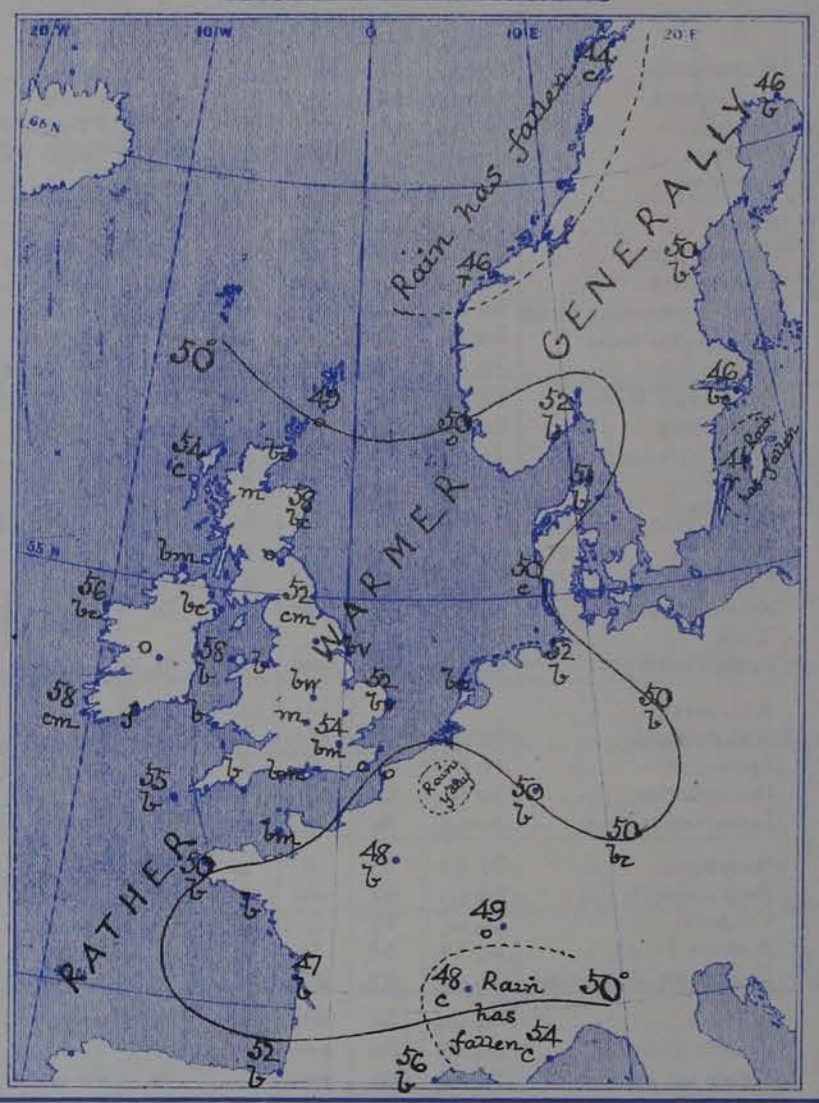
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29·956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29·941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1880	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29·984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 in: and more to 30·3 in: in an anticyclone covering the whole of the British Islands and their neighbourhood.
Lowest, 29·9 in: and less over the whole of the Riviera, and below 30·0 in: over the Baltic.
Gradients slight. Distribution anticyclonic.
Barometer falling a little in most places.

TEMPERATURE

Highest, 58° at Aberdeen and Valencia and above 50° all over our Islands and the North Sea.
Lowest, 44° at Brest, 41° at Wisby, 47° at Brussels and Rochefort, and 48° at Paris.
It rose to between 66° and 60° in many parts of our Islands yesterday, but fell again to between 38° and 35° in the night, and to below the freezing point on the grass.

WIND

Light and anticyclonic in our Islands — N at the Eastern stations, NE in the south, S in the west, SW in the far north.
Over France it is NE to NW. A N gale still holds at Wisby.

WEATHER

Fine generally over the British Islands and their neighbourhood.
The amount of Bright Sunshine recorded during yesterday was very large (15·3 hours at Aberdeen)
The only stations which recorded any Rainfall were a few in Scandinavia, Brussels, and two in the south of France.

SEA

Slight or smooth on our coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any important change beyond a further increase in the day-temperatures especially inland.

FORECASTS

For the 24 hours ending at NOON on 30th MAY, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W and SW winds, light; milder.
1 SCOTLAND EAST	SW airs and Calms; fine, milder.
2 ENGLAND N.E.	
3 ENGLAND EAST	N airs and calms; hazy, mild in day, cold tonight.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as No 0
7 ENGLAND N.W.	Variable and SE to S airs, light; fair, milder.
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·38	54	48	NNW	6	b	2
Sumburgh Head							
Stornoway	30·42	62	53	NNW	3	b	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·48	56	52	E	3	b	0
Belmullet	30·48	60	54	SSW	2	b	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·48	55	49	N	4	b	3
Hurst Castle ...							
Dungeness ...	30·41	57	53	NNE	4	bc	3
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·32	58	50	NE	4	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 21ST TO THE 27TH MAY 1899.

During the first part of the week pressure was highest over southwestern Europe, and rather high in a small area covering the north of our Islands or the region between them and Norway. It was lowest over Russia at first, but on Monday and Wednesday shallow complex depressions came in from the westward causing mild showery weather over this country, France and Germany, but colder weather over the more northern countries and in several places thunderstorms.

On Thursday, however, the barometer began to rise quickly on our western and northern coasts and in Norway, and as the rise spread an anticyclone of considerable intensity and increasing daily in size extended over our Islands from the northwestward. The effect of this system was to clear away the rainfall gradually, from our coasts, though it still continued over Belgium and Germany, and its eastern side (in conjunction with the depressions over Central Europe) caused cold N. winds over Great Britain. These owing to clear skies at night produced some rather severe frosts inland. At the close of the week there was little change in these Islands, but the German weather seemed likely to improve.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 30th May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.87	42	SW	2	c	29.79	− .25	48	41	+ 2	Z	0	c	*	c	*	55	27	−
	Hernösand ...	30.01	49	NW	2	b	29.98	− .10	47	40	− 3	NW	6	b	*	b	*	61	32	−
	Stockholm ...	30.03	54	Z	0	0	30.06	+ .04	42	41	− 4	N	2	0	*	0	*	59	39	0.24
	Wisby	30.06	42	E	2	b	30.00	.00	45	42	+ 4	WNW	4	c	*	b	*	48	37	−
	Karlstad ...	30.02	54	SW	2	c	30.12	− .05	50	42	+ 2	NNE	2	b	*	c	*	*	*	−
	Bodö	29.95	41	SW	6	c	29.91	− .12	41	39	− 3	W	6	bc	3	c	*	46	36	0.24
	Christiansund ...	30.20	42	WNW	4	r	30.12	− .06	44	39	− 2	WSW	2	c	3	r	*	46	39	−
	Skudesnaes ...	30.29	50	NW	4	0	30.23	− .10	49	48	− 1	Z	0	0	1	0	*	54	45	*
	Færder (Christiania Fjord)	30.07	58	NNW	2	c	30.15	− .06	51	46	− 1	N	2	c	1	c	*	59	48	−
	Skagen (The Scaw)	30.10	55	WSW	1	b	30.15	− .07	53	49	+ 2	N	2	b	0	b	*	66	48	−
	Fano	30.26	49	NW	2	b	30.29	+ .02	50	47	0	NW	5	c	*	b	*	61	48	−
BRITISH ISLANDS.	Sumburgh Head	30.26	52	W	2	bc	30.01	− .32	49	47	0	SW	3	0	3	c.bc	*	50	45	0.01
	Stornoway ...	30.28	57	WSW	4	0	30.08	− .28	56	53	+ 2	SW	5	0	5	c.0	2.3	61	48	−
	Wick	30.31	55	W	1	bc	30.11	− .24	55	52	− 2	W	3	0	1	bc	*	60	47	−
	Nairn	30.30	60	WNW	2	bc	30.16	− .25	58	50	+ 4	W	3	c	1	bc	*	68	49	−
	Aberdeen ...	30.33	53	S	2	c	30.20	− .20	63	50	+ 5	SW	3	bc	1	bc.c	10.5	63	47	−
	Leith	30.32	64	WNW	3	bc	30.28	− .14	57	51	− 1	W	3	0	*	bc	*	71	45	−
	Shields	30.36	55	ESE	3	c	30.32	− .11	55	49	+ 3	WSW	3	m	2	bcm.c	*	59	47	−
	Spurn Head ...	30.39	52	ESE	3	b	30.35	− .08	55	52	+ 4	SSW	2	b	2	b	*	55	46	−
	York														*					
	Loughborough ...	30.38	65	E	1	b	30.39	− .07	53	48	0	SE	1	bm	*	b,om,bm	*	67	38	−
	Ardrossan ...																*			
	Malin Head ...	30.36	60	E	1	bm	30.28	− .14	55	50	− 2	SW	4	bcm	3	b,bm	*	62	50	−
	Belmullet ...	30.37	57	WSW	3	0	30.31	− .11	56	52	0	SW	4	c	*	bc.0	*	59	51	−
	Donaghadee ...	30.38	59	S	2	c	30.33	− .12	57	52	+ 1	S	1	cm	2	cm	*	61	52	−
	Liverpool (Bidston)	30.40	57	W	1	b	30.38	− .07	58	51	+ 4	SSE	1	c	1	c	*	59	47	−
	Holyhead ...	30.39	56	NW	1	b	30.37	− .09	57	53	− 1	SW	2	bm	1	bc.b	*	61	48	−
	Parsonstown ...	30.37	65	SE	1	c	30.37	− .09	57	50	+ 2	SW	1	0	*	b.c	12.2	65	45	−
	Valencia ...	30.39	59	S	2	c	30.36	− .11	58	50	0	S	2	bm	3	om.c	5.6	61	49	−
	Roche's Point ...	30.43	57	SSE	2	b	30.41	− .06	57	54	+ 4	SE	2	b	2	b	*	59	50	−
	Pembroke (St. Ann's Hd.)	30.41	58	NE	1	b	30.39	− .06	56	52	− 1	SE	2	b	1	b	13.3	64	49	−
	Scilly	30.38	57	NNE	3	b	30.37	− .05	56	53	+ 1	ESE	2	b	0	b	13.7	60	51	−
	Prawle Point ...	30.40	53	SSW	1	b	30.41	− .03	54	50	− 3	SE	1	b	1	b	*	59	46	−
	Jersey (St. Aubin's)	30.39	56	ENE	3	b	30.41	− .02	59	53	+ 4	E	3	b	3	bc.b	*	60	47	−
	Hurst Castle ...	30.40	56	SW	1	b	30.41	− .03	54	50	0	SW	1	bm	1	b	*	60	44	−
	Dungeness ...	30.38	53	ENE	4	b	30.41	+ .01	54	52	+ 2	NE	2	c	1	b	*	58	47	−
	North Foreland																*			
	London (Brixton) ...	30.38	61	ESE	2	c	30.41	− .04	56	50	+ 2	SSW	1	b	*	b	12.0	66	39	−
	Oxford	30.39	56	ENE	2	b	30.41	− .05	57	51	+ 5	NNE	1	b	*	b	*	64	39	−
	Cambridge ...														*					
	Yarmouth ...	30.39	54	N	4	b	30.39	− .04	52	49	0	SSE	2	b	3	b	*	55	42	−
GERMANY & HOLLAND.	Cuxhaven ...	30.25	54	NW	2	b	30.30	+ .04	50	47	− 2	NW	4	0	*	b	*	55	48	−
	Berlin	30.15	59	NW	3	b	30.23	+ .06	49	47	− 1	NW	4	c	*	b	*	64	46	−
	Wiesbaden ...	*	*	*	*	*	30.35	+ .10	53	49	+ 3	NE	3	b	*	*	*	61	43	−
	Munich	30.23	49	SW	5	c	30.33	+ .13	50	44	0	SW	2	b	*	c	*	55	39	0.04
	The Helder ...	30.34	50	N	2	c	30.39	+ .04	51	48	0	Z	0	c	1	c	*	52	46	−
BELGIUM.	Brussels ...	*	*	*	*	*	30.43	+ .04	52	48	+ 5	NNE	1	0	*	b	*	58	37	−
	Cape Gris Nez ...	30.38	52	E	3	b	30.39	+ .04	53	48	+ 4	E	3	c	2	b	*	55	45	−
	Paris	30.33	54	NNE	4	b	30.38	+ .02	50	47	+ 2	NNE	2	b	*	b	*	60	41	−
	Brest	30.34	61	ENE	3	b	30.34	− .06	50	46	0	E	3	b	1	b	*	66	41	−
	Lorient	30.31	62	E	1	b	30.39	− .01	50	48	+ 2	E	4	bc	2	b	*	68	46	−
FRANCE &	Rochefort ...	30.24	64	NE	2	b	30.24	− .06	50	46	+ 3	ENE	4	b	*	b	*	72	45	−
	Belfort	30.20	52	NE	3	0	30.27	+ .10	50	46	+ 1	E	2	m	*	0	*	59	41	−
	Lyons	30.15	56	N	3	c	30.24	+ .10	50	45	+ 2	N	1	b	*	c	*	63	44	−
	Nice	29.99	58	SW	2	bc	30.15	+ .25	56	53	+ 2	Z	0	c	0	bc	*	68	54	−
	Perpignan ...	30.13	63	NW	3	b	30.18	+ .02	60	50	+ 4	NW	2	b	*	b	*	66	48	−
	Biarritz ...	30.16	60	N	5	0	30.16	− .10	51	47	− 1	ENE	3	b	2	0	*	61	46	−
PENIN-SULA.	Corunna ...																*			
	Lisbon	29.90	70	NNE	4	b	29.90	− .15	64	56	0	NE	4	c	*	b	*	81	61	−
	Azores (P. Delgada)	30.26	61	NNW	3	bc	30.16	− .15	62	58	0	NNE	4	c	3	bc	*	68	59	−

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

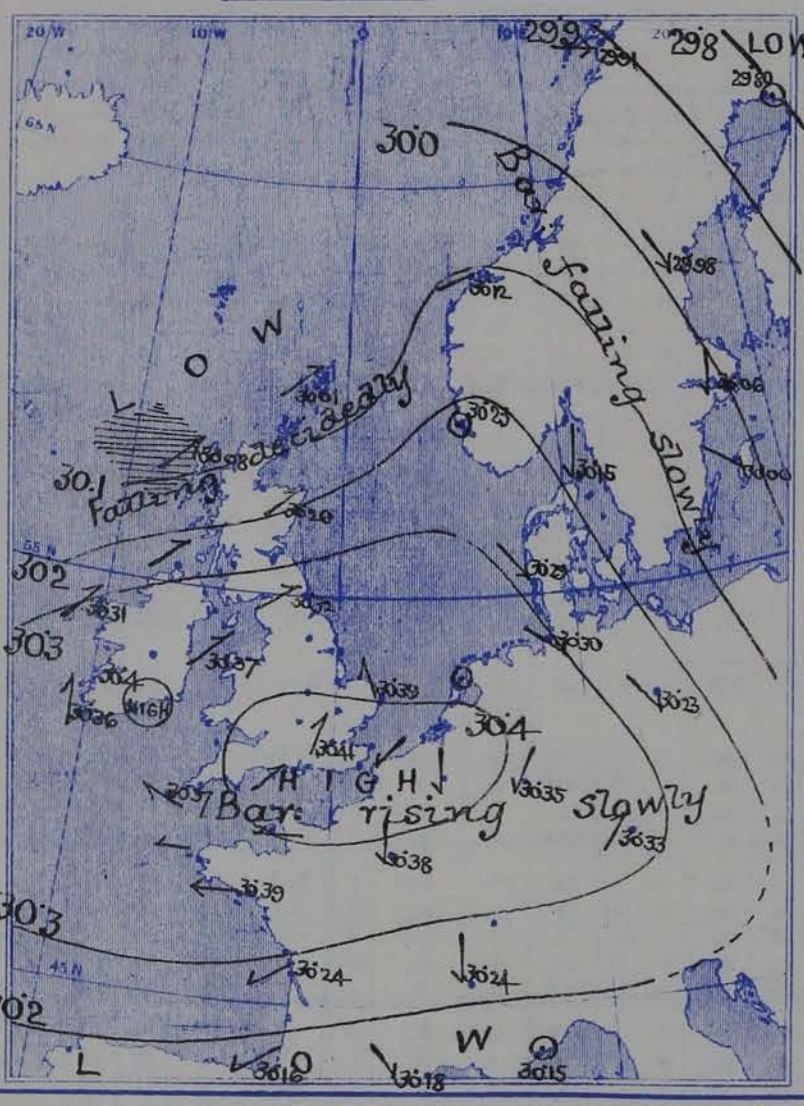
Bright Sunshine yesterday Southport 10.9 hrs;

WEATHER CHARTS

FOR Tuesday, 30th May, 1899.

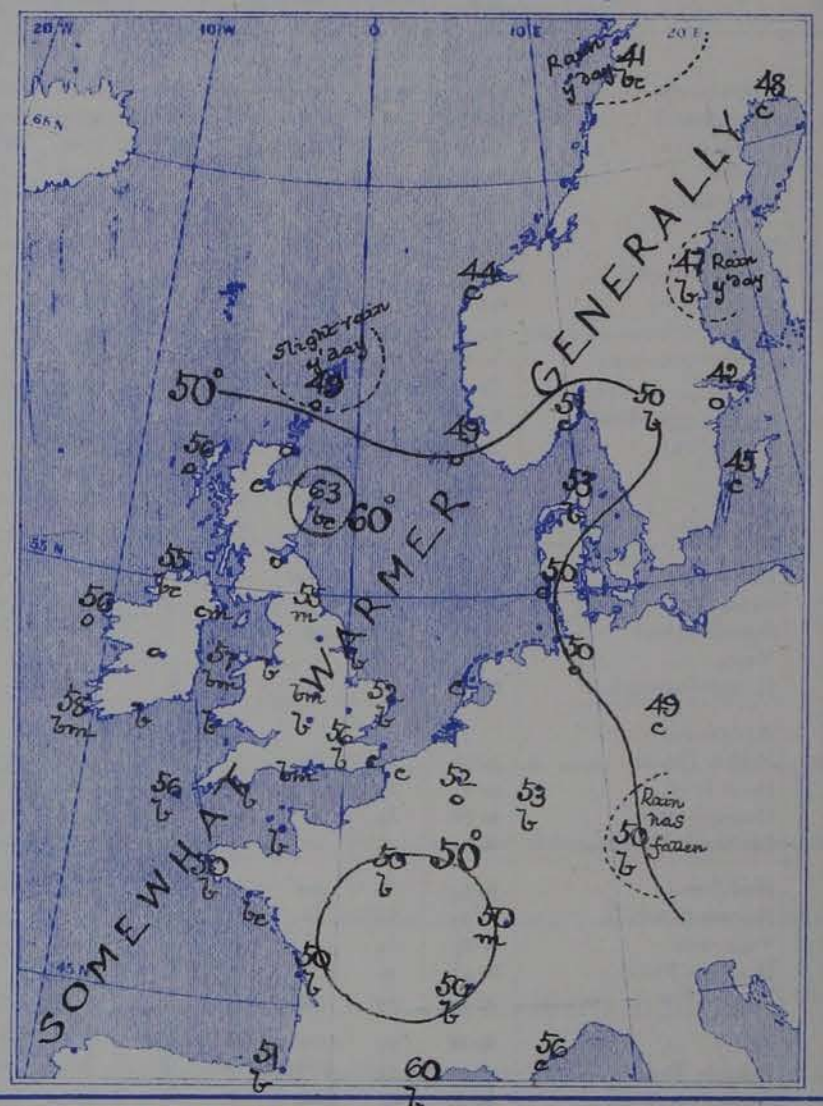
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 8 to 10* ; *Force 5 to 7* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 889	46 · 1	44 · 1	50 · 3	40 · 3	63	1895	27	1877	1 · 76	—	—
Stornoway	29 · 893	48 · 4	46 · 5	53 · 5	41 · 0	72	1882	27	1876, 77	2 · 53	184 · 8	36
Wick	29 · 907	48 · 1	45 · 7	53 · 9	40 · 7	71	1891	24	1876	1 · 77	—	—
Nairn	29 · 912	48 · 8	45 · 7	56 · 6	41 · 9	78	1888	26	1894	1 · 68	—	—
Aberdeen	29 · 926	48 · 9	45 · 4	54 · 9	41 · 9	74	1881	29	1884, 91	2 · 01	192 · 2	38
Leith	29 · 936	50 · 1	46 · 7	57 · 8	42 · 4	81	1881	27	1883	1 · 70	—	—
Shields	29 · 947	49 · 0	46 · 0	54 · 5	42 · 7	71	1895	29	1871, 91	1 · 64	—	—
Spurn Head	29 · 956	49 · 4	47 · 3	54 · 3	45 · 0	75*	1883	34*	1891	1 · 61	—	—
York	29 · 965	49 · 9	46 · 8	59 · 9	42 · 3	82	1895	24	1891	1 · 87	187 · 8	38
Loughborough	29 · 976	51 · 0	47 · 6	61 · 9	42 · 6	83*	1881, 95	25*	1892	2 · 05	—	—
Ardrossan	29 · 938	49 · 8	47 · 0	56 · 6	43 · 9	75	1881, 95	32	1877, 85	2 · 28	—	—
Malin Head	29 · 918	48 · 7	46 · 3	54 · 3	45 · 5	—	—	—	—	—	—	—
Belmullet	29 · 941	51 · 0	48 · 2	55 · 7	46 · 3	—	—	—	—	2 · 83	—	—
Donaghadee	29 · 952	49 · 7	47 · 6	56 · 1	44 · 6	69	1895	30	1873	2 · 21	—	—
Holyhead	29 · 961	50 · 6	48 · 1	56 · 3	46 · 1	74	1895	37	1894	1 · 85	—	—
Liverpool	29 · 965	50 · 9	47 · 0	58 · 2	45 · 1	80	1895	30	1883	1 · 83	—	—
Parsonstown	29 · 963	51 · 0	47 · 9	59 · 7	42 · 8	77	1881, 95	28	1874, 77	2 · 31	180 · 2	37
Valencia	29 · 967	52 · 9	49 · 7	58 · 1	46 · 5	74	1884, 95	34	1877, 85	3 · 13	206 · 4	43
Roche's Point	29 · 964	51 · 8	49 · 0	58 · 7	46 · 3	70	1874, 76, 80, 81	36	1879, 86	3 · 01	—	—
Pembroke	29 · 965	50 · 0	47 · 9	55 · 1	46 · 0	72	1890	34	1879	1 · 96	217 · 3	45
Scilly	29 · 975	52 · 7	50 · 4	56 · 4	48 · 3	66	1873, 75, 81	38	1883	1 · 69	—	—
Prawle Point	29 · 988	51 · 7	49 · 5	56 · 9	45 · 4	74*	1891	31*	1883, 94	1 · 48	—	—
Jersey	29 · 992	53 · 8	50 · 6	59 · 7	47 · 4	79	1875	33	1871	1 · 86	249 · 2	53
Hurst Castle	29 · 983	51 · 9	50 · 1	59 · 0	45 · 9	77	1891	30	1874	1 · 64	—	—
Dover	29 · 968	52 · 5	49 · 4	57 · 2	46 · 4	76	1892	30	1892	1 · 66	—	—
LONDON	29 · 982	52 · 7	48 · 6	62 · 6	44 · 5	86	1880	29	1877, 86, 92	1 · 77	168 · 6†	35†
Oxford	29 · 984	50 · 8	47 · 6	61 · 0	43 · 5	83	1895	28	1877	1 · 83	196 · 6	41
Cambridge	29 · 978	51 · 9	48 · 6	62 · 4	42 · 1	87	1895	25	1877	1 · 87	199 · 6	41
Yarmouth	29 · 966	50 · 6	48 · 1	55 · 3	44 · 8	76	1875	32	1891, 92	1 · 83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.4 ins. and upwards over the Netherlands and the S. of England; 30.3 ins. and upwards in an anticyclone covering the whole of Ireland, England, the Netherlands, W.rn Germany & the N. Sea. Lowest 29.8 ins. and less in Lapland; 29.9 ins. and less over the S.rn part of the Spanish Penin. Gradients slight. Barometer falling in all the more N.rn parts of our Islands and Scandina. rather decidedly in the N. of Scotland; rising elsewhere.

TEMPERATURE — Highest (1) 64° at Lisbon and 60° at Perpignan; (2) 63° at Aberdeen, and 58° at Nairn, Liverpool and Valencia (Ireland). Lowest 41° at Bodö, 42° at Stockholm, 44° at Christiansund, and 45° at Wisby; lowest in our Islands, 49° at Dumbrugh Hd. During yesterday the thermometer rose to 65° and upwards in several parts of the United Kingdom, and to 67° at Leith.

WIND — Light from the E.rly or NE.rly over the English Channel and the greater part of France; calm or NW.ly in the extreme south of France. SW.ly in all the more northern parts of the United Kingdom and fresh in force at Stornoway; W.ly in the west of Norway, NW.ly in Sweden, Denmark and N. Germany.

WEATHER — Fine over W.rn Europe generally, but dull at some of the Irish and Scotch stations. Slight rain has fallen at Dumbrugh Hd., but in all other parts of our Islands the weather has remained very dry. A solar halo was seen yesterday at Valencia (Ireland).

SEA — Slight or smooth generally, but rather rough at Stornoway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is moving southwards and is inclined to break up. Cyclonic systems are likely to appear shortly off our extreme N.rn coasts, and less settled weather is therefore probable in the N.rn districts generally.

FORECASTS

For the 24 hours ending at NOON on 31ST MAY 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW.ly and W.ly winds, freshening; dull some rain.	6 SCOTLAND WEST	Same as No. 1
1 SCOTLAND EAST	SW.ly and W.ly winds moderate; fair at first, some rain later; possibly thunder.	7 ENGLAND N.W.	Same as No. 2.
2 ENGLAND N.E.	SW.ly winds, light; fine generally, warmer.	8 ENGLAND S.W.	SE.ly and S.ly winds, light; fine generally.
3 ENGLAND EAST	Variable breezes, finally SW.ly; fine generally, warmer.	9 IRELAND NORTH	SW.ly winds freshening, fair at first, some rain later.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as No. 8.
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·32	54	50	NNW	4	o	2
Sumburgh Head	30·30	53	51	W	2	c	4
Stornoway	30·31	61	54	SW	3	c	3
Aberdeen	30·37	56	50	SE	2	bc	1
Shields	30·40	58	50	SSE	2	bcm	2
Ardrossan							
Malin Head ...	30·40	62	55	NE	1	b	0
Belmullet	30·41	59	52	SW	2	bc	*
Holyhead	30·44	61	55	NW	1	bc	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·42	60	50	S	3	om	3
Scilly	30·42	59	52	NNE	2	b	0
Jersey	30·41	59	53	ENE	3	bc	3
Hurst Castle ...	30·42	57	52	SSW	2	b	2
Dungeness ...	30·40	56	53	ENE	4	b	3
North Foreland							
London (Westminster)	30·40	63	52	NNE	2	b	*
Yarmouth ...	30·41	55	49	N	4	b	3
Rochefort ...	30·26	69	59	ENE	3	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over our Islands and the W^rn. parts of the Continent generally, but dull in the W. of Norway, with rain at Christiansund; dull over Russia, E^rn. Germany, Austria and Italy, with rain in several places. No important change occurring during day, but solar halo seen at Valencia (Ireland) in afternoon.

Temperature risen in most of the W^rn. countries, but fallen elsewhere. Morning readings highest 78° at Constantinople, 73° at Patras, and 72° at Brindisi; above 60° at most of the Mediterranean stations, and also in the S. of Russia, and above 55° in the W. and N. of our Islands. Lowest 38° at Kuopio, and 41° at Archangel, Hango and Wisby. Rising during day to 65° and upwards in several parts of the United Kingdom and France, and reaching 71° at Leith; touching 81° at Lisbon. Slight ground frost in London at night.

Wind light to moderate from the NE^wd. over the south of England and the greater part of France and Spain, but N^ly. or NW^ly. in the south of France. Light from the SE^wd. in Ireland, but from the W^wd. in Scotland. N^ly. or NW^ly. over Denmark, Germany, Austria and the south of Scandinavia, with a gale at Wisby; variable in Italy and Greece. No important change occurring over western Europe during day.

Barometer highest 30.4 ins. and upwards over our Islands and the NW. of France, 30.2 ins. and upwards in an anticyclone covering the whole of W^rn. Europe. Lowest 29.9 ins. and less in two large and complex depressions lying respectively over N^rn. Russia and over Austria, N^rn. Italy and the Gulf of Genoa. Gradual fall of barometer taking place over W^rn. Europe during day and anticyclone beginning to break up.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Wednesday 31st May, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.77	45	NW	2	bc	29.71	− .08	46	40	− 2	Z	0	c	*	bc	*	54	37	−
	Hernösand ...	29.88	46	S	4	0	29.65	− .33	52	45	+ 5	SW	6	0	*	0	*	59	36	−
	Stockholm ...	30.02	46	SSW	2	b	29.84	− .22	56	50	+ 14	WSW	4	b	*	b	*	57	39	−
	Wisby	30.13	44	SSW	4	b	29.98	− .02	51	47	+ 6	WSW	8	b	*	b	*	52	37	−
	Karlstad ..	29.97	55	WSW	2	0	29.88	− .24	54	48	+ 4	SW	4	0	*	0	*	*	*	−
	Bodö	29.82	58	W	2	c	29.76	− .15	39	37	− 2	SW	6	0	3	c	*	43	32	0.16
	Christiansund ...	29.69	49	WSW	5	r	29.92	− .20	42	41	− 2	ESE	2	r	3	r	*	49	42	1.14
	Skudesnaes ...	30.10	51	SSW	2	b	30.12	− .11	49	48	0	NW	4	r	2	0.b	*	54	45	*
	Færder (Christiania Fjord)	30.01	55	W	4	0	29.94	− .21	52	50	+ 1	SW	4	0	3	0	*	55	50	−
	Skagen (The Scaw)	30.12	49	W	4	m	30.05	− .10	54	51	+ 1	W	6	m	2	m	*	59	48	−
	Fanö	30.29	50	WNW	4	bc	30.26	− .03	53	50	+ 3	W	4	c	*	bc	*	57	50	−
BRITISH ISLANDS.	Sumburgh Head	29.95	49	WSW	4	r	30.09	+ .08	49	47	0	WNW	2	0	3	r	*	50	45	0.16
	Stornoway ...	30.05	54	WSW	4	r	30.15	+ .07	54	52	− 2	WSW	3	0	3	r	0.0	56	50	0.20
	Wick	30.07	56	W	5	0	30.17	+ .06	53	52	− 2	W	1	0	0	0	*	60	52	−
	Nairn	30.09	58	W	4	c	30.19	+ .03	57	52	− 1	W	3	c	2	c	*	65	50	−
	Aberdeen ...	30.13	62	WSW	3	c	30.21	+ .01	63	50	0	WSW	2	bc	1	c	4.6	70	51	−
	Leith	30.20	65	W	3	b	30.26	− .02	62	54	+ 5	W	2	c	*	b	*	67	47	−
	Shields	30.24	63	W	3	c	30.31	− .01	57	52	+ 2	WSW	3	m	2	cm, c	*	69	51	−
	Spurn Head ...	30.28	60	SSW	1	c	30.34	− .01	56	53	+ 1	WNW	2	b	2	c	*	67	50	−
	York														*					
	Loughborough ...	30.31	66	SSW	1	c	30.37	− .02	56	50	+ 3	ESE	1	bmr	*	bc, c, bm	*	70	40	−
	Ardrossan ...																*			
	Malin Head ...	30.22	56	W	5	bc	30.24	− .04	57	52	+ 2	S	2	bm	1	bc	*	58	49	−
	Belmullet ...	30.28	57	WSW	4	b	30.25	− .06	56	52	0	SSW	4	b	*	b	*	58	51	−
	Donaghadee ...	30.27	67	WNW	3	b	30.30	− .03	59	54	+ 2	SSE	1	bc	2	b	*	68	55	−
	Liverpool (Bidston)	30.32	61	Z	0	b	30.34	− .04	62	54	+ 4	SE	1	b	?	bm	*	62	48	−
	Holyhead ...	30.32	56	SW	2	bc	30.33	− .04	58	50	+ 1	SW	1	bm	1	bc	*	62	49	−
	Parsonstown ...	30.28	67	SE	1	b	30.31	− .06	56	51	− 1	W	1	b	*	b	10.2	68	44	−
	Valencia ...	30.29	61	S	2	b	30.25	− .11	59	52	+ 1	SE	2	b	2	bm	14.7	64	49	−
	Roche's Point ..	30.34	60	SE	2	b	30.31	− .10	58	55	+ 1	SE	2	b	2	b	*	61	52	−
	Pembroke (St. Ann's Hd.)	30.36	60	NE	3	b	30.33	− .06	56	55	0	SE	3	bm	2	b	12.8	60	47	−
	Scilly	30.35	56	ESE	3	b	30.27	− .10	55	52	− 1	ESE	4	bc	1	b	13.3	59	50	−
	Prawle Point ...	30.36	53	SSW	1	b	30.34	− .07	55	52	+ 1	ENE	3	b	2	b	*	57	47	−
	Jersey (St. Aubin's)	30.34	59	ENE	3	b	30.33	− .08	63	57	+ 4	E	3	bmr	3	bc, b	*	63	50	−
	Hurst Castle ...	30.37	56	SSW	1	b	30.37	− .04	58	54	+ 4	ENE	1	bm	1	b	*	60	43	−
	Dungeness ...	30.35	55	ENE	3	b	30.37	− .04	59	55	+ 5	ENE	2	bm	1	b	*	59	38	−
	North Foreland																*			
	London (Brixton) ...	30.34	65	SE	2	bcm	30.39	− .02	59	52	+ 3	S	1	b	*	m, bc, b	3.6	72	43	−
	Oxford	30.34	60	SSW	1	b	30.38	− .03	59	53	+ 2	S	1	b	*	b	*	69	44	−
	Cambridge ...														*					
	Yarmouth ...	30.35	55	SSE	4	b	30.36	− .03	58	55	+ 6	WSW	2	bm	2	b	*	58	45	−
GERMANY & HOLLAND.	Cuxhaven ...	30.34	56	NW	3	b	30.34	+ .04	54	51	+ 4	SW	3	b	*	b	*	57	46	−
	Berlin	30.28	66	WNW	3	b	30.39	+ .16	55	50	+ 6	WNW	3	b	*	b	*	68	48	−
	Wiesbaden ...	*	*	*	*	*	30.42	+ .07	57	52	+ 4	N	3	b	*	*	*	66	41	−
	Munich	30.37	51	Z	0	b	30.43	+ .10	55	49	+ 5	SE	3	b	*	b	*	59	39	−
	The Helder ...	30.37	53	NW	1	b	30.37	− .02	55	52	+ 4	WSW	1	bc	1	b	*	55	43	−
BELGIUM.	Brussels ...	*	*	*	*	*	30.41	− .02	62	55	+ 10	NW	1	b	*	b	*	63	45	−
	Cape Gris Nez ...	30.37	54	E	3	b	30.40	+ .01	54	49	+ 1	ESE	1	m	1	b	*	57	46	−
	Paris	30.32	63	NE	2	b	30.37	− .01	55	51	+ 5	NW	1	b	*	b	*	66	44	−
	Brest	30.26	65	NE	2	b	30.25	− .09	54	50	+ 4	E	2	b	1	b	*	70	45	−
	Lorient	30.26	64	NW	1	b	30.24	− .15	55	54	+ 5	E	4	b	2	b	*	70	46	−
FRANCE &	Rochefort ...	30.18	69	ENE	3	b	30.17	− .07	52	50	+ 2	E	4	b	*	b	*	77	48	−
	Belfort	30.24	59	NE	3	bc	30.34	+ .07	52	47	+ 2	E	4	m	*	bc	*	63	39	−
	Lyons	30.23	64	NNE	1	bc	30.32	+ .08	56	50	+ 6	SW	1	b	*	bc	*	68	45	−
	Nice	30.21	57	SW	2	c	30.31	+ .16	60	53	+ 4	E	2	bc	2	c	*	64	54	−
	Perpignan ...	30.18	64	SE	1	b	30.30	+ .12	59	56	− 1	NE	2	b	*	b	*	72	46	−
	Biarritz ...	30.07	70	ENE	4	b	30.09	− .07	65	59	+ 14	SSE	3	b	1	b	*	72	51	−
PENINSULA.	Corunna ...																*			
	Lisbon	29.95	68	SW	3	0	29.97	+ .07	67	58	+ 3	ESE	3	0	*	0	*	77	64	−
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

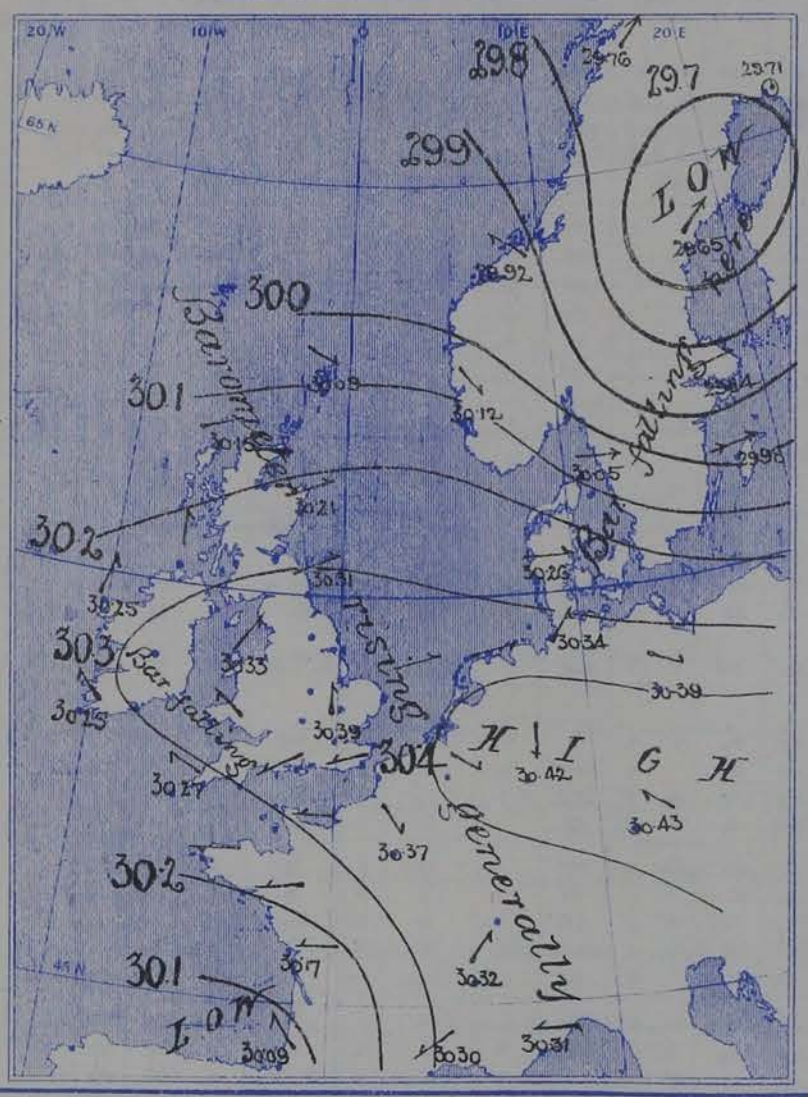
Bright Sunshine yesterday Southport 14.5 hrs;

WEATHER CHARTS

FOR Wednesday, 31st May, 1899.

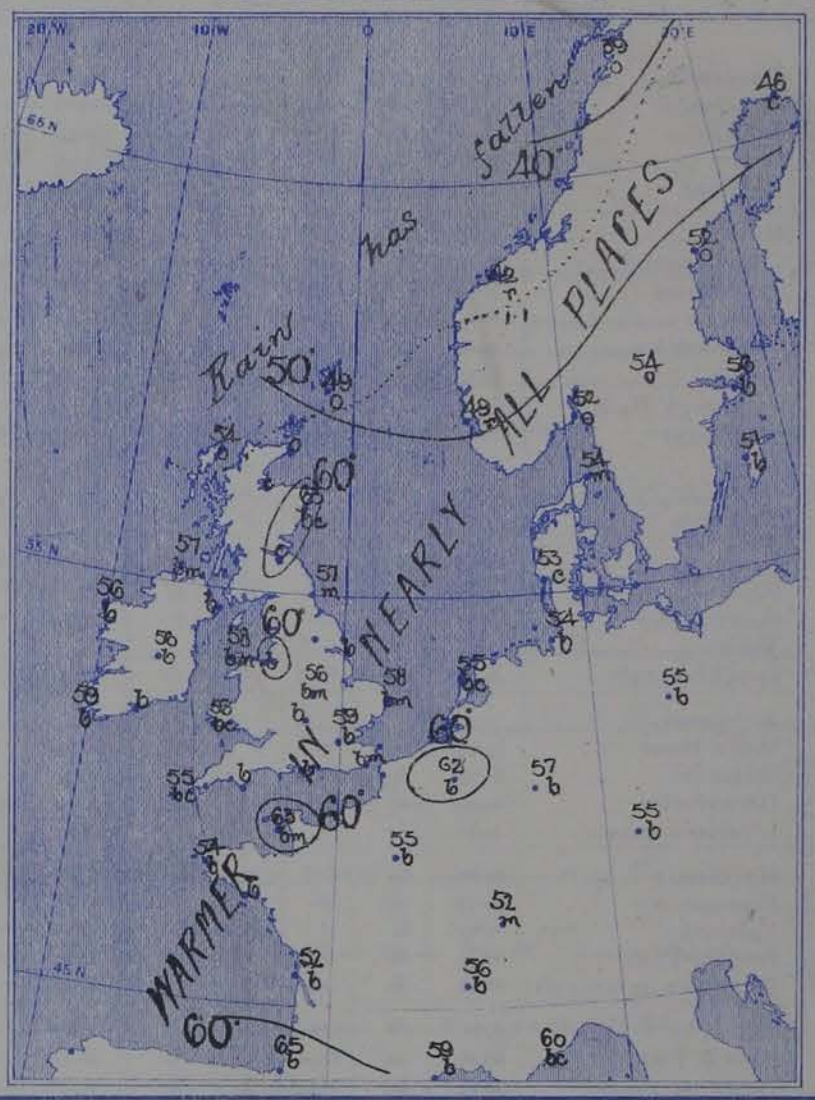
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MAY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·889	46·1	44·1	50·3	40·3	63	1895	27	1877	1·76	—	—
Stornoway	29·893	48·4	46·5	53·5	41·0	72	1882	27	1876, 77	2·53	184·8	36
Wick	29·907	48·1	45·7	53·9	40·7	71	1891	24	1876	1·77	—	—
Nairn	29·912	48·8	45·7	56·6	41·9	78	1888	26	1894	1·68	—	—
Aberdeen	29·926	48·9	45·4	54·9	41·9	74	1881	29	1884, 91	2·01	192·2	38
Leith	29·936	50·1	46·7	57·8	42·4	81	1881	27	1883	1·70	—	—
Shields	29·947	49·0	46·0	54·5	42·7	71	1895	29	1871, 91	1·64	—	—
Spurn Head	29·956	49·4	47·3	54·3	45·0	75*	1883	34*	1891	1·61	—	—
York	29·965	49·9	46·8	59·9	42·3	82	1895	24	1891	1·87	187·8	38
Loughborough	29·976	51·0	47·6	61·9	42·6	83*	1881, 95	25*	1892	2·05	—	—
Ardrossan	29·938	49·8	47·0	56·6	43·9	75	1881, 95	32	1877, 85	2·28	—	—
Malin Head	29·918	48·7	46·3	54·3	45·5	—	—	—	—	—	—	—
Belmullet	29·941	51·0	48·2	55·7	46·3	—	—	—	—	2·83	—	—
Donaghadee	29·952	49·7	47·6	56·1	44·6	69	1895	30	1873	2·21	—	—
Holyhead	29·961	50·6	48·1	56·3	46·1	74	1895	37	1894	1·85	—	—
Liverpool	29·965	50·9	47·0	58·2	45·1	80	1895	30	1883	1·83	—	—
Parsonstown	29·963	51·0	47·9	59·7	42·8	77	1881, 95	28	1874, 77	2·31	180·2	37
Valencia	29·967	52·9	49·7	58·1	46·5	74	1884, 95	34	1877, 85	3·13	206·4	43
Roche's Point	29·964	51·8	49·0	58·7	46·3	70	1874, 76, 80, 81	36	1879, 86	3·01	—	—
Pembroke	29·965	50·0	47·9	55·1	46·0	72	1890	34	1879	1·96	217·3	45
Scilly	29·975	52·7	50·4	56·4	48·3	66	1873, 75, 81	38	1883	1·69	—	—
Prawle Point	29·988	51·7	49·5	56·9	45·4	74*	1891	34*	1883, 94	1·48	—	—
Jersey	29·992	53·8	50·6	59·7	47·4	79	1875	33	1871	1·86	249·2	53
Hurst Castle	29·983	51·9	50·1	59·0	45·9	77	1891	30	1874	1·64	—	—
Dover	29·968	52·5	49·4	57·2	46·4	76	1892	30	1892	1·66	—	—
LONDON	29·982	52·7	48·6	62·6	44·5	86	1889	29	1877, 86, 92	1·77	168·6†	35†
Oxford	29·984	50·8	47·6	61·0	43·5	83	1895	28	1877	1·83	196·6	41
Cambridge	29·978	51·9	48·6	62·4	42·1	87	1895	25	1877	1·87	199·6	41*
Yarmouth	29·966	50·6	48·1	55·3	44·8	76	1875	32	1891, 92	1·83	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards over Germany and Belgium; 30.1 ins. and upwards in an anticyclone covering nearly the whole of W^rn and central Europe.
Lowest 29.7 ins. and less in a depression over the Gulf of Bothnia & the neighbouring parts of Sweden.
Gradients slight generally, but moderate over Denmark and the S. of Scandinavia.
Barometer rising a little in most places, but falling on our SW. coasts and also in Sweden and Denmark.

TEMPERATURE

Highest (1) 65° at Biarritz, 63° at Jersey, and 60° at Nice; (2) 63° at Aberdeen, and 62° at Leith.
Lowest 39° at Bodö, 42° at Christiansund, 46° at Haparanda, and 49° at Skudesnaes & Sumburgh.
During yesterday the thermometer rose to 65° and upwards at most of our N^rn and central stations, to 70° at Aberdeen and Loughborough, and to 72° in London.

WIND

Light to moderate from the E^ly or SE^ly on our southern and French coasts; S^ly in the northwest of our Islands.
Light from the W^ly or SW^ly on our north and east coasts; moderate to strong from the same quarters at most of the Scandinavian and Danish stations, with a gale at Wisby.

WEATHER

Fine over W^rn Europe as a whole, but dull in the N. of Scotland, and in most parts of Scandinavia, with rain in the W. of Norway.
Rain fell yesterday in the Shetlands and Hebrides, and also in the W. of Norway, heavily (1.1 inch) at Christiansund. Solar halos were seen at Bergen.

SEA

Slight or smooth on all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which skirted our N^rn coasts yesterday has passed on to Scandinavia. There are at present no signs of any new disturbance, and although the low pressure system over Spain is inclined to spread N^wds no material change in the weather is probable over our Islands during the ensuing 24 hours.

FORECASTS

For the 24 hours ending at NOON on 1st JUNE. 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W^ly to SW^ly winds, moderate; dull, some rain.	6 SCOTLAND WEST	Same as No. 1 to 2.
1 SCOTLAND EAST	W^ly and SW^ly winds, light; fair, warm.	7 ENGLAND N.W.	S^ly winds, light; fine, warm.
2 ENGLAND N.E.		8 ENGLAND S.W.	E^ly and SE^ly winds, moderate; fine generally.
3 ENGLAND EAST		9 IRELAND NORTH	S^ly winds, light or moderate; fair generally.
4 MIDLAND COUNTIES	Variable or SE^ly airs; fine, warm.	10 IRELAND SOUTH	Same as No. 8.
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·17	54	51	SSE	4	o	2
Sumburgh Head	29·93	50	50	SW	4	r	4
Stornoway	30·07	54	53	WSW	5	r	5
Aberdeen	30·13	66	52	SW	3	c	2
Shields	30·26	67	56	WSW	2	cw	2
Ardrossan							
Malin Head ...	30·24	57	53	W	5	bc	3
Belmullet	30·35	57	53	WSW	4	b	*
Holyhead	30·36	62	54	SW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·33	64	54	S	3	bm	3
Scilly	30·37	57	54	ESE	3	b	0
Jersey	30·38	59	54	ESE	3	bc	3
Hurst Castle ...	30·39	60	55	SSW	2	b	1
Dungeness ...	30·39	58	55	ENE	3	b	2
North Foreland							
London (Westminster)	30·36	67	55	SSE	1	b	*
Yarmouth ...	30·38	54	50	SSE	4	b	3
Rochefort ...	30·22	66	52	E	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the greater part of our Islands and the Continent, but dull at some of the Irish and Scotch stations. Dull also in Russia and Greece, with rain at Moscow. Rain falling later in the Shetlands and Hebrides, and also in the W. of Norway – heavily at Christiansund. Solar halos seen at Oxford during day.

Temperature risen generally but fallen in many parts of Scandinavia, as well as at some of the Italian stations. Morning readings highest 75° at Athens, 73° at Constantinople, and 70° at Patras, above 65° at many of the Mediterranean and Spanish coast stations, and also in the S. of Russia; above 60° in the E. of Scotland. Lowest 41° at Bodö and Kuopio, 44° at Christiansund, and 45° at Archangel and Wisby. Rising during day to between 65° and 70° in many parts of our Islands, France and Germany and to 72° in London and at Perpignan and Biarritz; reaching 77° at Lisbon.

Wind light to moderate from the SW^ly. over all the more northern parts of our Islands, but E^ly. or NE^ly. over the Channel and the greater part of France, Spain and northern Italy. W^ly. in the west of Norway; NW^ly. or N^ly. over Sweden, Denmark, Germany, Austria and western Russia; variable over Greece and S^rn. Italy. No important change occurring over western Europe during day.

Barometer highest 30.4 ins. and upwards over the Netherlands and the S. of England, 30.3 ins. and upwards in an anticyclone covering the whole of Ireland, England, the Netherlands, W^rn. Germany and the N. of France. Lowest 29.8 ins. and less in two large shallow depressions lying over N^rn. and central Russia; 29.9 ins. and less in another shallow system off the SW. of Spain. New depression approaching the Norwegian coasts later from the W^ward, and barometer falling rather briskly in the extreme N. of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

EPORTS FOR MAY 1899.

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Skagen	?29.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-
"	Donaghadee	?30.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Scilly	-	-	-	-	-	-	-	-	-	-	S	-	-	-	-	-	-	-	-
4	Cambridge	-	49	-	-	-	30.27	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Sumburgh Hd. 2pm	-	-	-	-	-	30.52	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-
7	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-
"	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-
9	Pembroke	-	-	-	-	-	-	-	?52	?51	-1	-	-	-	-	-	-	-	-	-
"	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
10	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
"	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.2	-	-	-
"	Pembroke	-	-	-	-	-	-	-	-	-	-2	-	-	-	-	-	-	57	45	-
"	Dungeness	-	-	-	-	-	29.89	+06	-	-	-	-	-	-	-	-	-	-	-	-
11	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11
14	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-
15	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-
17	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.0	-	-	-
18	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?57	-	-
19	Nairn	-	-	-	-	-	29.67	+07	-	-	-	-	-	-	-	-	-	-	-	-
"	Parsonstown	-	-	-	-	-	29.69	-	-	-	-	-	-	-	-	-	-	-	-	-
20	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-
"	Hurst Castle	-	-	-	-	-	-	-	54	50	-	-	-	-	-	-	-	-	-	-
21	Pembroke	29.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-
22	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06
24	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	c	-	c7l-rh	-	-	-	-
"	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-
25	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05
"	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34
26	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
27	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
"	Paris	-	-	-	-	-	-	-	-	-	-	N	-	-	-	-	-	-	-	-

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
DATE.	STATIONS.	At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yester-day.	Dry Bulb.	Wet Bulb.	Change since Yester-day.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun-shine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Corunna.....	29.93	63	N	4	b	29.97	-.28	66	59	+6	NNE	1	b	2	b	-	68	55	-
2	Corunna.....	29.84	68	NNW	3	f	29.85	-.12	63	58	-3	SSE	2	f	2	f	-	81	55	-
3	Corunna.....	29.84	63	NNW	1	f	29.98	+.13	61	57	-2	W	3	o	2	f	-	66	54	-
4	Corunna.....	29.99	62	NW	1	b	30.02	+.04	59	57	-2	NW	3	f	1	b	-	63	54	-
5	Corunna.....	29.98	63	NNW	6	b	30.01	-.01	61	58	+2	N	3	c	2	b	-	64	55	-
6	Cape Gris Nez	30.28	46	E	5	bc	30.33	+.08	48	-	+1	E	4	o	4	bc	-	52	41	-
"	Corunna.....	29.95	64	NE	5	b	29.93	-.08	59	56	-2	NE	1	f	2	b	-	66	54	-
8	Corunna.....	30.08	64	NNE	4	f	30.01	-.04	57	52	-2	NE	1	f	3	f	-	66	52	-
9	Nice.....	29.80	52	E	4	r	29.75	-.10	57	50	+1	E	0	b	0	r	-	68	48	-
"	Corunna.....	29.91	63	N	4	f	29.84	-.17	59	54	-2	WSW	1	o	2	f	-	64	52	-
10	Brussels.....	-	-	-	-	-	29.91	+.07	51	-	0	WSW	1	o	-	o	-	65	45	-
"	Corunna.....	29.79	56	WNW	1	r	29.94	+.10	58	55	-1	WNW	1	f	2	r	-	66	54	0.16
11	Corunna.....	30.00	59	NNW	4	b	30.12	+.18	54	52	-4	NNW	1	f	2	b	-	59	50	-
12	Corunna.....	30.19	59	NNW	3	f	30.07	-.05	54	52	0	N	1	f	2	f	-	59	50	-
13	Corunna.....	29.97	61	N	4	bc	29.88	-.19	62	57	+8	NE	1	f	2	bc	-	64	54	-
15	Paris.....	29.56	66	SW	4	o	29.32	-.42	56	?	+4	S	2	r	-	o	-	75	51	0.08
"	Corunna.....	29.66	53	N	4	r	29.85	+.16	57	50	+2	SW	3	bc	3	r	-	57	48	0.55
16	Cape Gris Nez	29.56	53	WSW	4	c	29.65	+.28	52	-	+2	W&W	6	o	c	c	-	54	46	0.47
"	Corunna.....	29.93	59	W	4	bc	30.04	+.19	55	53	-2	?	8	r	3	bc	-	61	52	0.20
17	Corunna.....	30.05	59	SW	4	b	30.10	+.06	59	50	+4	SW	3	c	2	b	-	68	52	-
"	P. Delgada.....	29.84	63	SW	4	o	29.91	-.14	63	59	+2	SW	5	bc	4	o	-	66	61	0.08
18	Corunna.....	30.06	70	S	4	b	30.02	-.08	63	59	+4	SSW	3	o	2	b	-	70	57	-
"	P. Delgada.....	29.95	63	SW	5	c	29.88	-.03	64	62	+1	SW	5	o	6	c	-	68	63	-
19	The Helder.....	29.92	64	SSW	1	c	30.07	+.04	53	-	-1	W	1	c	1	c	-	70	52	0.04
"	Corunna.....	30.13	61	W	4	f	30.13	+.11	63	59	0	S	5	o	2	f	-	66	57	0.08
20	Corunna.....	30.16	72	SW	5	b	30.29	+.16	64	60	+1	SW	1	f	2	b	-	72	59	-
21	Brussels.....	-	-	-	-	-	29.97	+.10	52	-	-4	SW	5	o	-	o	-	65	51	0.12
22	Corunna.....	30.32	61	NNW	1	f	30.25	-.03	61	59	+3	NNW	1	c	2	f	-	61	57	-
23	Cape Gris Nez	30.03	54	WSW	4	o	30.02	+.05	52	-	-2	NNW	1	c	1	o	-	55	48	-
"	Corunna.....	30.23	60	WNW	3	f	30.23	-.02	60	57	-1	WNW	1	c	2	f	-	64	55	-
24	Brussels.....	-	-	-	-	-	29.61	-.42	55	-	+1	SSE	2	o	-	o	-	64	46	0.04
"	Corunna.....	30.23	63	NNW	3	b	30.04	-.19	59	57	-1	SW	3	f	3	b	-	64	55	-
25	Corunna.....	30.13	60	NW	3	b	30.23	+.19	59	55	0	NNW	3	o	3	b	-	63	54	0.08
26	Corunna.....	30.21	61	NNW	4	o	30.10	-.13	59	57	0	W	3	f	2	o	-	63	55	0.16
27	Belfort.....	29.97	49	W	5	o	30.13	+.16	43	-	+2	SSW	3	m	2	o	-	54	34	-
28	Corunna.....	-	-	-	-	-	30.37	+.16	57	52	-2	NE	3	b	2	-	-	63	50	-
29	Corunna.....	30.34	64	NE	5	b	30.17	-.20	58	52	+1	E	3	b	2	b	-	64	50	-
30	Corunna.....	30.12	68	NE	4	b	30.07	-.10	60	53	+2	ENE	1	b	2	b	-	68	52	-
31	Corunna.....	29.99	69	NE	4	f	29.99	-.08	64	60	+4	ENE	3	f	2	f	-	73	59	-
"	P. Delgada.....	30.15	61	NNW	4	bc	30.13	-.03	62	58	0	N	3	bc	2	bc	-	66	59	-